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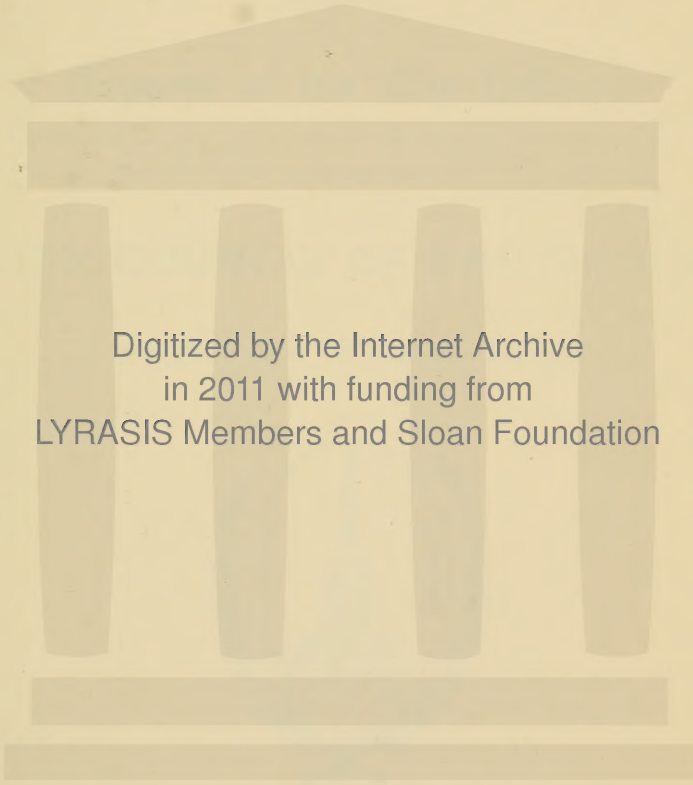
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Baltimore, Mayor,

THE

MAYOR'S MESSAGE

— AND —

Reports of the City Officers

— MADE TO THE —

CITY COUNCIL OF BALTIMORE

FOR THE YEAR 1891.

BALTIMORE:
JOHN COX, "CITY PRINTER,"
PRATT STREET AND SPEAR'S WHARF.

1892.

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MAYOR'S MESSAGE.

MAYOR'S OFFICE—CITY HALL,

BALTIMORE, January 1st, 1892.

To the Honorable the Members
of the City Council of Baltimore.

GENTLEMEN :

In accordance with the requirements of the City Charter, I have the honor of submitting for your consideration the following message :

THE FINANCIAL CONDITION OF THE CORPORATION, DECEMBER 31st, 1891.

Amount of funded debt December 31st, 1891...		$31,784,050 95
Guaranteed debt, viz:		
Endorsement of Western Maryland R. R. third mortgage bonds	$875,000 00	
Endorsement of Union R. R. first mortgage bonds	117,000 00	
		992,000 00
		$32,776,050 95

Amount brought forward.		$32,776,050 95
Of this amount, interest is provided or paid on as follows:		
Water Board upon.....	$10,500,000 00	
Park Board upon.....	200,000 00	
Union Railroad.....	117,000 00	
Commissioners of Finance on Western Maryland R. R. loan and bonds.	1,875,000 00	
Overdue stock, no interest allowed.....	47,605 23	
		$12,739,605 23
Leaving the amount on which interest is paid by taxation.....		$20,036,445 72
The City owns the following investments:		
Productive Investments.		
Mortgage on Union Railroad.....	$ 117,000 00	
Value of sinking funds..	7,476,126 31	
550 shares Baltimore & Reisterstown Turnpike Company	2,062 50	
137 shares Baltimore & Frederick Turnpike Company	456 66	
Amounts carried forw'd.	$7,595 645 47	$20,036,445 72

Amounts brought forw'd.		$7,595,645 47	$20,036,445 72
625 shares Baltimore & Yorktown Turnpike Co.		5,000 00	
Real estate annual rentals.	$10,225 11		
Wharf property.....	38,000 00		
Market houses	50,000 00		
	$98,225 11		
Capitalized at 6 per cent.		1,637,085 16	
			$ 9,237,730 63
Balance of debt over available income producing securities.....			$10,798,715 09
Unproductive Investments.			
Mortgages of Western Maryland R. R. Co....		$3,579,000 00	
Accrued interest advanced for Western Maryland R. R. Company		2,812,350 00	
83,000 Philadelphia and Reading R. R. 3d mortgage preference income bonds.....		83,000 00	
4,000 shares Western Maryland R. R. Stock.		200,000 00	
10,000 shares Valley R. R. Company of Virginia Stock.....		1,000,000 00	
			$ 7,674,350 00

COMPARISON OF DEBT DECEMBER 31, 1891, WITH DEBT DECEMBER 31, 1890.

Amount of funded and guaranteed debt December 31st, 1891	$32,776,050 95
Debt December 31st, 1890	31,083,787 06
Increase of debt during 1891	$1,692,263 89

The increase of $1,692,263.89 in the funded and guaranteed debt during the year 1891 is thus accounted for:

Amount of Water 4 per cent. 1926 loan issued		$ 200,000 00
Amount of Internal Improvement 3½ per cent. 1928 loan issued		1,669,300 00
		$1,869,300 00
Less redemption of Water 1875 loan	$ 200 00	
Less Consolidated 1885 loan redeemed	1,844 38	
Less One Million 1886 loan redeemed	1,100 00	
Less Consolidated 6 per cent. 1890 loan redeemed	122,405 49	
Less Public Park 1890 loan redeemed	28,000 00	
Less Five Million 1890 loan redeemed	23,486 24	
		177,036 11
		$1,692,263 89

Although the actual funded and guaranteed debt of the City is $32,776,050.95, the taxpayers are only called upon to provide interest on $20,036,445.72, of which $7,476,126.31 being in the sinking fund, the City pays interest thereon to itself.

In 1890 the amount of the debt on which interest had to be paid with the tax levy was $15,979,145.72. The reason for the increase to $20,036,445.72 in 1891 is due to the issue during the year of $1,669,300 of Internal Improvement 3½ per cent. loan, and the fact that the taxpayers are now compelled to pay the interest on $1,704,000 Western Maryland 3½ per cent. loan and $684,000 Western Maryland Railroad 4 per cent. 1925 loan, which the Western Maryland Railroad Company contracted to pay and did pay up to July 1st, 1889, since which time they have been in default.

The report of the Commissioners of Finance gives an itemized statement of the indebtedness of the Western Maryland Railroad Company to the City of Baltimore, to which reference is made hereafter in this message.

SINKING FUNDS.

The following table gives the value of sinking funds held by the Commissioners of Finance for redemption of the debt. This fund is invested in ground rents held by the City, a ground rent, the lease of which is held by the Western Maryland Railroad Company, and City stock. The interest on these securities is annually

paid to the Commissioners of Finance and by them invested for the benefit of the sinking fund, which thus rapidly increases by compound interest. Another source of increase of the sinking funds is the provision of an ordinance passed in 1881, providing that all premiums realized on the sale of City stocks, except for the Jones' Falls improvement, shall go to the sinking funds. The increment of the sinking funds from this latter source during 1891 was $13,529.40.

Value of sinking funds December 31st, 1891	$7,476,126 31
Value of sinking funds December 31st, 1890	7,303,623 08
Increase of sinking funds during 1891..	$172,503 23

In 1890 the increase of the sinking funds was $751,131.40. A natural question would be, why this falling off? It was due in large part to the reason that the proceeds of the sale of 32,500 shares of Baltimore and Ohio Railroad stock, amounting to $3,250,000.00, less the amount of stock redeemed ($2,681,728.90) were placed in the sinking funds, the increase of said fund from that source in 1890 being $578,271.10. A detailed statement is given in the report of the condition of each separate sinking fund. The Enoch Pratt fund in charge of this Commission has now reached the sum of $1,130,362.19; it will thus be seen that in about two years the check for $833,333.33 given by Mr. Pratt to the City, and invested in City stock, will produce the $50,000 per annum required to support the Library and

its branches. In addition to this large sum of money Mr. Pratt also donated the Library building and lot.

WESTERN MARYLAND RAILROAD.

On account of the large investment made by Baltimore in this corporation, I give herewith a full statement taken from the Register's report, of its indebtedness to the City.

Indebtedness of the Western Maryland R. R. Co. to the City of Baltimore, on December 31st, 1891.

First mortgage bonds due January 1st, 1890, held by the Commissioners of Finance.....	$ 43,500 00	
Interest thereon from July 1st, 1889, to date.....	6,525 00	
		$ 50,025 00
Second preferred mortgage bonds, held by the Commissioners of Finance...	178,500 00	
Interest on the same from July 1st, 1889, to date...	26,775 00	
		205,275 00
Accrued interest on second mortgage bonds to January 1st 1887.....		333,000 00
Third mortgage guaranteed bonds.....	875,000 00	
Amounts brought forw'd.	$875,000 00	$588,300 00

Amounts carried forw'd.	$875,000 00	$588,300 00
Interest paid thereon to December 31, 1891.....	1,102,500 00	
		1,977,500 00
Fourth mortgage, to secure loan of City stock.....	1,000,000 00	
Interest paid thereon to December 31st, 1891.....	1,170,000 00	
		2,170,000 00
Loan of City stock, issued under Ordinance No. 71, 1882	684,000 00	
Interest thereon from July 1st, 1889, to date.....	68,400 00	
		752,400 00
Loan of City stock, issued under Ordinance No. 11, 1886	1,704,000 00	
Interest thereon from July 1st, 1889, to date.....	138,450 00	
		1,842,450 00
Funding certificates, being amount of matured coupons of first mortgage and second preferred mortgage bonds funded as per Ordinance No. 22, of 1879	226,530 00	
Interest thereon from January 1st, 1889, to date...	40,775 40	
		267,305 40
Amount carried forward..		$7,597,955 40

Amount brought forward.		$7,597,955 40
Coupons from first mortgage unendorsed bonds..	71,742 00	
Interest thereon to December 31st, 1891.....	69,511 69	
		141,253 69
		$7,739,209 09
Less value of W. M. R. R. 1925 loan sinking fund..	53,562 15	
Less value of W. M. R. R. 1927 loan sinking fund..	113,715 63	
		167,277 78
		$7,571,931 31

The indebtedness of the Western Maryland R. R. Co. to the Mayor and City Council of Baltimore, has increased since December 31st, 1889, to the amount of $449,836.51, caused by the failure of the Company to pay the interest upon the first mortgage and second preferred mortgage bonds since July 1st, 1889, and on the funding certificates since January 1st, 1889, all held by the Commissioners of Finance. The default in the payment by the said company of the interest upon the 3½ per cent. 1927 loan, and the 4 per cent. 1925 loan since July 1st, 1889, and the payment by the City of the interest on the 6 per cent. 1902 loan and the third mortgage guaranteed bonds as usual.

The following letter from the President gives a statement of the floating debt of the Company:

WESTERN MARYLAND RAILROAD COMPANY—OFFICE OF PRESIDENT AND GENERAL MANAGER.

BALTIMORE, January 19th, 1892.

Honorable F. C. Latrobe, Mayor, City Hall.

DEAR SIR:

Agreeably to request, I beg to inform you that the floating debt of this company on January 18th, 1892, was $230,391.86. The car trust and new station obligations of the company, distributed through a period of five years, and hence practically in the shape of funded indebtedness, amount to $108,305.08. This includes five new locomotives recently acquired at a cost of $50,500.

As the amount applied to floating debt during the year, $113,540, and $35,270.99 advanced to the Potomac Valley Railroad, aggregate $148,810.99, or $39,013.39 more than the interest payments heretofore made by the company to the City, to say nothing of $81,769.67 of net earnings expended in betterments, it is clear that the company is in a position, especially with its rapidly increasing revenues, to not only resume and maintain the interest payments heretofore made to the City, but in the near future commence payments upon the entire indebtedness.

With the important connections now in progress completed, the net earnings of the company cannot be less than five to six hundred thousand dollars per year, while the fixed charges will only be increased five per cent. upon $2,000,000, or $100,000.

Balance in bank, $9,502.31, not deducted from debt.

Stocks of other companies owned by Western Maryland Railroad Company, $1,043,550.00.

Yours truly,

J. M. Hood, *President.*

With the exception of an endorsement on Union Railroad bonds to the extent of $117,000, and two items on our list of "unproductive investments," viz., $83,000 Philadelphia and Reading third mortgage preference bonds and 10,000 shares of Valley Railroad stock, for which latter the City paid $1,000,000, we have now no investments in such properties outside of the Western Maryland Railroad. Since the sale of its stock in the Baltimore & Ohio Railroad, the policy of the City seems to be to gradually withdraw, when it can profitably do so, from partnership in all railroad corporations. The City has certainly benefited by the construction of the Western Maryland Railroad. It runs through a rich and fertile section of the State, and has brought us profitable trade. It is a matter of regret, of course, that notwithstanding this admitted indirect benefit, we have received so little direct money income from our investment. This continued increase of its indebtedness to the City is a matter for serious consideration by your Honorable Body. It is to be hoped, therefore, that the statements made by its president may be realized, as set forth in a communication received by me a few days since, accompanying the annual report of the company, from which I quote as follows:

"In the absence of any untoward event, the company expects to be able to resume interest payments to the City July 1st. Assuming that the reductions in the floating debt during the suspension of interest payments have amounted to at least as much as the suspended payments which have been assumed by the City, this would seem to be a certain guarantee of the company's ability to maintain such payments when the debt has been sufficiently reduced to warrant resumption."

The annual report of the company concludes as follows: "We feel that it should be particularly gratifying to the friends of the road to know that, in the face of many unfavorable circumstances, it has gone steadily ahead, greatly improved its physical condition, strengthened its relations with other lines, added nearly $100,000 to its earnings, and materially reduced its floating debt. Our most sanguine expectations having been made good by recent results, we are now confident that a little time will demonstrate that the capabilities of the road have been greatly underrated, and that, with the new and important connections now in progress, it will, in a reasonable time, make satisfactory returns to the City for every dollar it has invested in the property."

RECEIPTS AND EXPENDITURES.

The report of the City Register shows the receipts from collection of taxes and other sources applicable to the support of the Municipal Government for 1891, as follows:

RECEIPTS—ACTUAL INCOME.

From City Collector, levy of 1891	$3,125,767 79	
" City Collector, levies of previous years	1,443,147 13	
		$4,568,014 92
" City Collector, levy of 1891, in 21st and 22d Wards	104,613 65	
" City Collector, levy of 1889, in 21st and 22d Wards	6,981 00	
" City Collector, levy of 1890, in 21st and 22d Wards	37,904 70	
		149,499 35
Fines, Jail, removed cases, etc.		12,217 10
Public schools, tuition fees and J. F. Plummer legacy		3,515 35
Bayview, Mount Hope and Maryland Hospital		6,755 61
Health Department and streets		6,916 80
Fire Department		143 30
Inspector of Buildings		7,287 04
City Commissioner's Department		5,350 57
Amount carried forward		$4,759,700 04

Amount brought forward.		$4,759,700 04
Inspector and Sealer of Gas Meters		2,305 60
Market houses, rents of stalls and hall		55,533 75
Wharfage and rent of wharves		28,396 75
Banks, interest on deposits		9,258 07
General licenses		46,437 10
Liquor licenses		384,012 17
Auction duties		8,719 60
Turnpike dividends		208 90
Conscience fund		83 12
Chesapeake and Potomac Telephone Co		4,150 50
Sale of No. 19 School House		25,000 00
Sales of old materials for opening streets		22,253 50
Aggregate of sundry small items		2,077 91
		$5,349,037 01
The receipts for the year 1890 were as follows:		
Levy of 1890	$3,587,350 13	
Levy of previous years	1,391,433 96	
In 21st and 22d Wards	138,141 63	
Sundry sources	677,072 42	
		$5,793,998 14

This shows a falling off of receipts in 1891 of $444,-961.13. This reduced revenue is due mainly to the difference in the tax rate, which in 1890 was $1.85 and in 1891 was $1.55. In the receipts of 1890 was also included $54,000 received for right of way through Bolton Depot lot. There was also a falling off from liquor licenses in 1891 of $2,769.03.

The following table from the Register's report shows the actual expenses of the City Government for 1891. In order that a comparison may be made with the expenses of 1890, I have placed the expenses of each item opposite those of the current year:

Table Showing Disbursements for Actual Expenses of the City Government for the Years 1890 *and* 1891.

	1890.	1891.
Interest on stock debt	$1,030,619 66	$830,938 72
Expenses of law courts	117,170 89	123,700 59
Registration of voters	38,472 34	27,065 23
City Jail	54,526 24	55,300 15
Magistrates, judgments and suits, fines, coroners, and removed cases	40,736 55	29,366 40
Public schools, over amount paid by State of Maryland	649,360 31	676,768 09
City poor	291,970 71	298,904 50
Harbor Commission	51,516 12	65,390 90
Police Department	780,199 03	787,996 58
Street Cleaning Department	267,961 09	266,311 39
Health Department	79,004 06	88,060 58
Fire Department	279,465 95	305,473 50
Inspector of Building's Department	70,052 45	150,289 77
City Commissioner's Department	149,419 68	209,010 63
Superintendent of Lamps' Department	227,119 99	245,192 72
City Council Diary	56,919 43	62,860 33

Care of Court House buildings	10,453 16	10,658 62
Maintenance of squares	48,253 37	1,883 39
Expenses of markets and market halls	4,962 03	4,856 61
Harbor Masters' commissions	7,420 45	7,405 00
Salaries	73,895 54	74,889 59
City Library	6,897 18	7,023 38
Public printing	4,098 42	876 81
Discount on taxes and interest on loans	104,696 38	103,590 27
Superintendent of City Hall	17,525 30	15,438 55
Mayoralty contingent fund	1,622 06	1,969 41
Lamplighters' salaries	46,514 00	46,514 00
Special appropriations	11,366 38	6,696 86
Ground rents on City property	3,469 84	10,048 46
City Collector, salaries and expenses	52,595 70	53,290 66
Election expenses	18,515 80	16,670 33
Dog Pound expenses	2,189 25	1,253 50
Supervisors of Elections	7,336 52	9,255 76
Liquor License Commission	9,998 28	13,873 12
Maryland Institute	6,000 00	6,000 00
General licenses	1,716 61	1,520 96
Refunded taxes	3,802 17	3,494 10
Enoch Pratt Free Library	50,000 00	50,000 00
Iceboat Annapolis	10,000 00	7,500 00
Amounts carried forward	$4,687,842 94	$4,677,339 46

Table Showing Disbursements for Actual Expenses of the City Government for the years 1890 *and* 1891—*Continued.*

	1890.	1891.
Amounts brought forward	$4,687,842 94	$4,677,339 46
State tax on City loans	12,825 64	21,494 66
Insurance of Bayview Asylum	1,280 00	.....
Lot for Engine House No. 16	3,400 00	.....
Baltimore Light Infantry	2,000 00	2,000 00
Expenditures in 21st and 22d Wards	190,836 33	252,849 05
General expense	1,259 66	1,051 90
Aggregate of sundry small items	2,748 75	4,332 78
City's portion of benefits assessed for opening and closing streets	180,393 49	146,378 39
Water 1926 Loan Sinking Fund	12,488 66	23,291 33
Internal Improvement Loan Sinking Fund	12,488 66	62,411 86
General Sinking Fund	.....	97,801 37
Insurance of Bayview Asylum and High Schools for five years	.....	6,520 00
Music in the parks	.....	3,000 00
Water mains on Boston and Ostend streets	.....	7,500 00

Sprinkling Mount Royal avenue and Calvert street		1,250 00
Drawings and specifications of Court House and grounds		3,165 00
Purchase of lot at Mount Royal avenue and Hoffman and Cathedral streets		1,500 00
Lot for Colored School No. 3		6,642 26
Lot for new engine house (South Baltimore)		2,178 60
Widening Lexington street, northwest corner Charles st		37,500 00
Lot for Public School No. 25		15,312 50
New City Code		2,000 00
	$5,107,564 13	$5,375,519 16

The expenses of the City in the first twenty wards in 1891 were	$5,122,670 11	
In the 21st and 22d Wards they were for 1891	252,849 05	
		$5,375,519 16
Expenses of the City in first twenty wards in 1890 were	$4,916,727 80	
In the 21st and 22d Wards they were for 1890	190,836 33	
		$5,107,564 13
		$267,955 03

It will thus be seen that the expenses for 1891 exceeded those for 1890, although in 1991 the tax rate was $1.55, while in 1890 it was $1.85.

This apparent anomoly is due to the fact that a large floating indebtedness, including the cost of the Bolton lot ($415,000) was paid in the year 1890. This does not appear among the items given in the table of actual expenses of the City Government, but will be shown in detail by an examination of the tables of disbursements in the City Register's reports of 1889 and 1890:

FLOATING DEBT.

The following table gives the liabilities at the close of the year 1891.

EXISTING CLAIMS.

Balance due on Jones' Falls improvement loan.....	$ 670 75	
Balance due on Harford Run improvement account....	29,973 65	
Balance due on Water Board account.....	9,720 77	
Balance due on Park Board account	13,494 59	
Balance due on Internal Improvement 1928 loan.....	494,858 76	
		$548,718 52
Cash balance in banks, December 31st, 1891.....	458,267 01	
Due from Chesapeake and Potomac Telephone Co..	2,317 90	
Due from liquor license ...	5,197 64	
		$465,782 55
Floating indebtedness December 31st, 1891.....		$82,935 97

On December 31st, 1890, there was a surplus of...	$24,284 54
The taxes due and uncollected for 1891 and previous years are.....	1,635,881 44
Taxes in 21st and 22d Wards and uncollected for 1891 and previous years..	149,499 35

It will be necessary for the City Council to exercise the utmost prudence in making appropriations, if it desires to keep the tax levy within the present limits. We begin the year with a floating indebtedness of nearly $83,000.00, which would have been largely increased, if appropriations made by the last Council had been called for during 1891. Take one item alone, one hundred thousand dollars for the North Avenue bridge; of this, owing to unforseen difficulties preventing its commencement, only about $16,000 was expended; had the whole amount been called for, as appropriated, it would have added ninety thousand dollars to the floating debt. Over one hundred thousand dollars of the appropriations made for school houses has also been uncalled for during the past year, which your Honorable Body must reappropriate during this session. Your only course to prevent a floating debt is positively to refuse to make appropriation after making the levy. As the City Executive I must decline, except in cases where the expenditure is absolutely necessary, to sign any such appropriations. The estimates for the expenses of the different depart-

ments for the year 1892, as shown by the Register's report, are already $490,000 more than those for the year 1891. One of the difficulties encountered by every administration is the demand for expenditures for improvements, and at the same time expect a low tax rate. A mistake made by the former Council was not in stopping appropriations after making the levy. Another error was in putting too high an estimate on the receipts, which failed to meet anticipations.

CITY COMPTROLLER'S DEPARTMENT.

The report of this officer gives an itemized statement of all municipal receipts and disbursements. These have been referred to in my review of the City Register's report. Those interested in knowing how money collected by taxation is expended will here find every dollar accounted for. In connection with the reports of the City Register and Comptroller, I quote from the last message of my predecessor, who was from his early training and experience a good judge of the proper system of keeping accounts; after a year's experience in this office, he says, "Familiarity with the methods of transacting municipal business will relieve the apprehension which sometimes obtains, that official duties are not performed with the same degree of ability and faithfulness which characterizes the transaction of private business." The utmost care is taken in the disbursements of all money by the City. Accounts of all receipts and disbursements are entered on the books of both Comptroller and Register, the two records must

agree, and as money cannot find its way into or out of the Treasury, except on the warrant of the Comptroller, the proper safeguards are thrown around the financial officers. No money can be paid out except on a warrant by the Comptroller on the Register, who draws and signs a check, which, in turn, must be signed by the Mayor. No warrant is issued by the Comptroller except on a voucher which is first examined, and when receipted, is filed away for future reference if required. An examination of the items of expenditures in this report will show that the costs of the different departments is gradually increasing with the growth of the City. The maintenance of the courts, for instance, in 1891 cost $123,698.81, while in 1890 it was $117,170.09. The Criminal Court cost $68-252.76 in 1891, while in 1890 it cost $61,046.43. In referring to court expenses I again call attention to the injustice of the action of the State toward the City in this connection. The entire cost of the courts are paid by the City, but the State takes all the revenue derived therefrom. The same course is pursued in the matter of traders' licences; these are paid for the privilege of doing business in Baltimore, which gives police and fire protection together with all other expensive municipal advantages, and yet the State takes all the license money. I refer here to other than liquor licenses, of which the State graciously permits us, after paying all expenses, to retain a portion of the receipts. In no other city in the Union does such a condition of affairs exist. If we received the benefit of these licenses, as do all other cities, there would be no

difficulty in maintaining a low tax rate. A large portion of the expenses of Chicago and St. Louis are paid by their revenue from licenses. I notice the late Governor suggests that the time has arrived when a reduction can be made in the State tax; why not then relieve the City of Baltimore and the counties from paying into the State Treasury the money derived from traders' licenses issued for doing business in said City or counties. In my message of January 1, 1889, I said: "It seems to me that a forcible presentation of these matters to the Legislature by our representatives would induce the State to do simple justice to this City, upon whose continued prosperity depends in a large measure the future greatness of this Commonwealth." I repeat it now, with the strong endorsement of Mayor Davidson, who said in his last message: "The enormity of this injustice has provoked comment from every Mayor of this City whose attention was directed to it, and must be apparent to all."

THE FIVE MILLION IMPROVEMENT LOAN.

The report of the Comptroller calls your attention to some legislation by the last Council in connection with the five million loan, carelessly enacted, which requires correction by your Honorable Body. This loan was authorized by a vote of the people for certain specified purposes; no portion of the amounts, therefore, not required for the specific purpose designated in the ordinance, can be devoted to any other. The items are as follows:

Opening of Douglas street	$ 400,000 00
Widening of Fayette street	550,000 00
Widening of East Baltimore street	250,000 00
Constructing Sewers	1,750,000 00
For School Houses	400,000 00
Repaving with Improved Pavements	1,000,000 00
Improvement of Patterson Park	200,000 00
Building Bridges	250,000 00
Park in Southwest Baltimore	50,000 00
Addition to Court House	150,000 00
	$5,000,000 00

In making appropriations the Council exceeded in some cases the amounts authorized; in the item of bridges, by appropriating $259,465.00; in school houses, by appropriating $403,000.00, and notably in sewers, by appropriating $1,910,600.00.

From the item of $1,000,000.00 authorized for improved pavements, $129,939.01 have been expended, leaving a balance, therefore, of only $870,060.99 for this most desirable of all needed improvements.

COLLECTION OF TAXES.

The report of the City Collector shows the following receipts in his department for 1891: Total collections in the City, $5,302,476.57, of which the City's proportion was $4,818,083.92 and the State's $484,392.65. This is analyzed as follows:

In the first twenty wards, City's portion:	
On account of taxes in arrears	$1,443,147 13
" " levy of 1891	3,125,767 79
For opening, closing and widening streets	99,463 49
For paving	203 15
Numbering houses, account of 1887	3 00
	$4,668,584 56

The collections for the City in the 21st and 22d Wards for the year 1891 were $149,499.36, and for the State $39,797.50, analyzed as follows:

City's portion:	
Levy of 1889	$ 6,981 01
" 1890	37,904 70
" 1891	104,613 65
Total	$149,499 36

Referring to the first twenty wards, the report says:

"On the levy of 1891—present basis $280,867,069—the total collections from May to December 31st, inclusive, amounts to 71.80 per cent. Deducting amount of plant exempt from City taxation, the percentage collected amounts to 72.31 per cent."

These collections exceed the estimates made by the Committee of Ways and Means.

The Collector complains of want of room, and urges that some better accommodations be afforded his department. He also requests authority to appoint an

additional deputy collector, being confident that with this increase in his force he would be able to show better results in the collection of personal taxes. In this connection it must not be forgotten that the business of this and other departments is constantly increasing with the growth of the City.

The necessity of a thorough re-survey and plat of the new wards is again referred to, and also the want of a new assessment of property.

The management of the business in this department is, in my judgment, well conducted. I would, however, suggest a change in the method of advertising sales of property for taxes. The Act of Assembly requires the Collector to advertise such sales once a week for four successive weeks in two daily newspapers published in the City, one of which shall be in the German language, the object being to give such advertisements the widest publicity. It would be desirable to insert this advertisement in the paper having the largest circulation. As proving this might cause some ill feeling, it would be well to require the advertisement to be given once to three of the morning newspapers and once to an afternoon paper. This would comply with the State law providing for the four advertisements in an English paper, and at the same time give more widespread notice of the sale of property by the City unless the taxes in arrears were paid.

APPEAL TAX COURT.

This report shows that the number of permits for the erection of new buildings during the year was 2157, and improvements 560; the assessed value of both being $3,157,769.

The following table is interesting in this connection, showing, as it does, the steady but remarkable growth of this City:

	New Buildings.	Improvements.	Assessed Value.
1884	2,526	682	$3,107,472 00
1885	2,970	664	4,340,125 00
1886	2,632	528	3,587,900 00
1887	3,008	590	3,244,750 00
1888	2,139	462	3,532,706 00
1889	1,918	387	3,145,660 00
1890	1,536	347	2,466,678 00
1891	2,157	560	3,157,769 00

A smaller number of houses will doubtless be erected in 1892, owing to the passage of the new building laws, making it more expensive to build; the City, however, will be benefitted by the improvement in the class of buildings erected. The variation in the tax rate does not seem to have much effect on the number of houses built; in 1888 and 1889, when the rate was $1.90, the assessed value of improvements was $3,532,706.00 and $3,145,660.00, respectively, while in 1891, with the rate at $1.55 and the incentive of the threatened new building law, the assessed value was $3,157,769.00. In

1881 and 1882, under a tax rate of $1.37, the assessed values were $3,063,490.00 and $3,152,070.00. Undoubtedly the low tax rate in the 21st and 22d Wards is adding to the building "boom" in those districts. The amount of plant or machinery used for manufacturing purposes exempted in 1891 was, for individuals and firms, $1,440,231, and for the Consolidated Gas Company $590,219, a total of $2,031,450; in 1890 the amount exempted was $2,100,745. The assessed value of the real and personal estate for 1891, after all exemptions, as given in this report is, real estate, $211,707,640; personal, $72,281,420. Although much complaint is made by some, of the alleged escape of personal property from taxation, in my judgment, it will be found that as large a proportion is taxed in Baltimore as in any other City in the Union. Even in Boston, with its expensive system of constant assessment and inquisitorial laws, the assessment of personal in proportion to real property is no larger than in Baltimore. In New York it is much smaller, and in Philadelphia the assessment on personal property is almost nominal.

CITY COMMISSIONER'S DEPARTMENT.

This department has under its charge the paving and repairing of streets, and construction and repairing of sewers and bridges. There are 450 miles of paved streets within the City limits, besides the roads in the new wards, all of which ought to be kept in reasonable repair. The amount appropriated for this purpose in 1891 for the first twenty wards was $94,500; expended, $94,479.40.

It cannot be claimed that our streets are in excellent condition. The reason is, that the amount expended annually for repairing is not sufficient, nor would a much larger expenditure keep what are known as cobblestone pavements in repair. They are bad from the day they are laid. Our pavements encounter another trouble in being constantly torn up for sewers, gas mains, water mains, etc. It is impossible to make private parties properly repair a street after it is displaced. They do not seem to realize that the first relaying, however well done, is not sufficient. It has to be gone over two or three times before restored to its original form. In every case where application is made to open the street, ample security should be given that it will be put back to its former condition. In the 21st and 22d Wards $37,382.46 was expended in improving streets, roads and bridges. Much, however, remains to be done in these wards in this connection, which I hope the Council will make suitable provision for.

The report of the Commissioner is full, giving in detail an account of the work of his department. He refers to the change of grade in Lexington street, between Calvert and Charles, and regrets, as do I, that it was not made lower. During the year Light Street bridge has been completed. The work has been excellently done, and although expensive, costing over $160,000, it was a necessary improvement. It was provided for in the Five Million Loan. Built, as it is, of wood, being over a mile in length, and every day becoming more of a thoroughfare, it will, in a few years,

require constant and costly repairs. Under an act of the Legislature, the tracks of the Curtis Bay Electric Railway are now being laid on this bridge.

The Russell Street bridge was constructed over Chatsworth run at a cost of $4,991.43. The Monroe Street bridge was built at a cost of $28,000. This extends South Monroe street over the tracks of the Baltimore and Ohio Railroad, and affords an approach to Carroll Park without crossing tracks on grade.

The bridges over the Falls at North, Calvert and St. Paul streets have been thoroughly repaired and painted, and although subjected to the passing under them of almost a continuous line of locomotives, after having been up for ten or twelve years, an examination showed that, with proper ordinary care, there was no reason why they should not last indefinitely.

While the head of this department is a most painstaking, honest and competent officer, and with his assistants gives the City faithful and experienced service, I cannot fail to recognize the fact that the City has outgrown the present organization. It has over four hundred and fifty miles of streets to keep in repair; large sums to expend in repaving with improved pavements; numbers of costly sewers to construct; many important and expensive bridges to look after and new ones to be built; is constantly called upon to establish grades of streets, and has during the year hundreds of skilled mechanics and laborers to employ.

In addition thereto, it has entire supervision of all engineering requirements above referred to in a territory in the 21st and 22d Wards, much larger in area than that within the old City limits.

In the first place the rooms occupied by this department are entirely unsuited on account of limited space and number for its varied and important business, and the force necessarily connected therewith. The place used by its draftsmen is the upper end of one of the corridors on the lower floor of the City Hall, the only clerk has an apartment entirely too small for the purpose, while the only room of the Commissioner himself is scarcely large enough to properly accommodate a desk and single chair. There is no suitable place to store the valuable maps and plats, and no proper arrangement to facilitate their necessarily constant inspection. I confess it is difficult to know exactly what more suitable accommodations can be afforded in the building until by the erection of the new court house hereafter referred to, more room can be given in the City Hall by providing apartments for the Police Department in the proposed court house. Perhaps until then it might be well to utilize the Armory room in this connection. What, however, in my judgment is now needed, is a re-organization of the Department itself. I would therefore suggest a Board of Public Works, to consist of three members, who should be paid for their services as are the Fire Commissioners, and to which Board the Mayor should be added as an ex-officio member, this Board to have the

appointment of an executive officer, at a salary sufficient to command the services of a man with both efficiency and skill to properly discharge his duties, and he to be given such aid in the way of necessary assistants as the service would require. In other words, an organization somewhat similar to the Water and Harbor Board, except that I would limit the number of the Board to three, pay them moderate salaries, and require a daily or at least three times a week session at the City Hall. In most of the other large cities this most important department is under an organization such as I have recommended.

Sewers.

The report of the City Commissioner gives in detail the work done in the construction of sewers in 1891. These sewers are for storm water. They take the place of the natural water courses of the land over which the City is built. As the area of paved streets increases it becomes necessary to provide for the streams that flow through the territory and for the rainfall, which otherwise would spread over the surface, causing damage to property. Such sewers are absolutely necessary but at the same time expensive. Being permanent improvements there can be no objection to the issue of bonds to pay their cost. The work in this connection done under the supervision of the City Commissioner is of excellent quality. Being underground and therefore unseen, it fails to receive from the public that credit to which it is entitled. Those who have thoroughly

inspected it as I have done, would find it equal in plan and construction to the best government work. In the five million loan the sum of $1,750,000.00 was appropriated for this purpose; this is a large amount, and I would suggest that the Mayor be authorized to appoint a commission of two engineers to be paid for their services, to inspect the new sewers and make a report thereon to the Mayor and City Council. I make this suggestion because I consider it would be but justice to the department under which these costly works have been done and are now being constructed. The report gives in detail the progress being made on each sewer, provided for by ordinances and now unfinished. The Bush street sewer, for which $375,000 was appropriated, has been delayed for some time owing to the legal difficulties in obtaining a right of way; these have now all been overcome and the work will commence in the early spring. In constructing these sewers the City has employed its own labor, the material required being purchased after proposals were advertised for, from the lowest bidder. Fair wages have been paid directly to the employee who has worked for the City and not for a contractor. This latter is an additional reason why it would be satisfactory to the administration to have the work inspected by a disinterested commission. My own experience is that the work is done better in this way than by contract.

North Fulton Avenue.

The construction of Pulaski street sewer opens up quite a large tract of land for building purposes in the

western part of the City. I think the time has now come when the bridge over the tracks of the Potomac Railroad should be so adjusted as would make the lines of Edmondson avenue, east of said bridge, conform to those west.

I have always thought that Fulton avenue should be extended north beyond Boundary avenue to Druid Hill Park, and the building boom in this neighborhood, spreading as it has over the old Cathedral burying lot, and the rapid way in which the land just east of Fulton avenue and south of Boundary is filling up, together with the improvements going on on the line of North avenue in the direction of Walbrook Park, superinduced probably by the construction of the North Avenue Electric Railway, confirms my opinion that this extension of Fulton avenue north would be a good improvement.

North Avenue Bridge.

The construction of the Belt Railroad changes the grade of North avenue, thus rendering necessary the reconstruction of the bridge over the falls, on the line of the avenue. This bridge had been erected many years ago; it was old-fashioned and defective in plan, constructed jointly of wood and iron, and so worn out by use that is was wisely concluded not to repair it, but replace it with a new bridge. The first plan of the engineer was for a steel truss bridge; this was however, changed to a stone arch bridge. The sum of $281,000

was appropriated, $100,000 of which was to be provided for in the levy of 1891, the rest to be appropriated by succeeding administrations. Proposals were accordingly asked for its construction; when the bids were opened it was found that the lowest bid was $376,400, or $96,400 more than the amount appropriated; the result was, that the money provided not being sufficient, the contract was not awarded. Provision for the erection of a bridge must therefore be made by your Honorable Body.

The amount provided in the Five Million Loan for bridges being exhausted, the cost must be met from the tax levy. I need not remind you in this connection of our duty to the tax-payers, to make their burdens as light as possible, and therefore to exercise the strictest economy in our appropriations of the public money, nor is it necessary for me to say that, in making expenditures for public improvements, they should, as far as the public interests will permit, be distributed in the different sections of the City, as the money required is collected from all the tax-payers. However much, therefore, it may be desirable to use a costly material for building this bridge, and thus secure a fine white marble or granite structure, the question at once arises, can we afford it? I am informed that to build such a bridge as originally designed and accepted under existing ordinances, would cost over five hundred thousand dollars, and would occupy at the very least, three years in building; during all of which period, the people in that neighborhood would be subjected to the accidents

of a very dangerous railroad crossing, which might at any time cost the City a heavy sum in damages, to say nothing of the loss of life or limb to some of our citizens. Under these circumstances, I think that wisdom and prudence require that the plan of a stone bridge be abandoned, and that a steel one be adopted. There are now manufacturing establishments in Baltimore where such a bridge could be constructed by our own mechanics, as was both the Saint Paul and Calvert Street bridges; it will last as long, if properly cared for, as if built with any other material, will cost less than one-half as much, can be made equally as ornamental and can be built within less than one-third of the time. This course is strongly recommended by the engineer, Mr. Frederick H. Smith, in his admirable report submitted with that of the City Commissioner, and who has made plans of the proposed steel structure for your consideration.

In regard to the supposed injury to a steel bridge from the steam of locomotive engines passing thereunder, the engineer says: "The very small effect that the steam from locomotives has had on the iron-work of the old span, which has been over the railroad tracks for twenty-one years, and never painted but once, indicates that a steel bridge at that point, higher above the tracks and properly painted, will remain uninjured as long as ordinary care is taken of it."

Mr. Smith, in his report, gives a full statement of the difficulty now encountered in getting the right of

way over a tract of land at the east end of what is known as the temporary bridge, which was built by the City for use as the crossing of North avenue over the falls during the construction of the new bridge. This matter is also referred to in the report of the Examiner of Titles. The trouble seems to be that the gentleman with whom the agreement to cross his land was made did not himself have a clear title to the lot; hence an injunction has been granted to Mrs. Lee, who claims that the purchase from her of this land had never been finally completed. There is but one way out of it—to condemn and open a street through the lot. This will, however, take some time to accomplish. Engineer Smith, in his report, says that negotiations are now in progress through which he hopes to soon have the right of way opened. I have no doubt the City had every reason to believe that the party making this agreement had the power and would carry out his part of it, and did not, therefore, make that examination of his title which our Examiner of Titles, in his report, says should never be omitted.

WATER DEPARTMENT.

The net revenue from water rents, meter supplies, &c., for 1891 amounted to..	$718,326 45
From water tax.....	54,331 15
Total	$772,657 60

The water rents for 1891 show an increase over 1890 of $12,860.33.

The receipts from meter rents in 1891 were	$149,327 57
From the same source in 1890.....	128,659 34
An increase in 1891 of.....	$20,668 23

Including receipts from plumbing department, appropriations, &c., the increase in net collections exceeded those of 1890 by $61,990.77.

The Water Department is self sustaining, it pays the interest on $10,500,000 of bonds issued to pay cost of the works, and also all expenses of maintenance. As said by my predecessor, no better argument is wanted against "free water" than the relief thus given to the taxpayers by the revenues derived from this admirably managed department. The report states that "the rapid increase in the number of consumers upon the Jones' falls supply, and the decreased flow of the tributaries supplying Lake Roland, rendered it necessary for the Board to discontinue furnishing water for elevator or motor purposes from that source. The supply from the Gunpowder river, at an elevation of 163 Am. t. feet, is practically unlimited, and will supply all the water needed for manufacturing purposes without endangering domestic supplies."

CITY LIBRARY.

The report of the Librarian is herewith submitted. It contains many suggestions and much information in connection with this important department worthy of consideration. The Library has the custody of all City archives and the plats connected with street open-

ing. On its shelves will be found a full collection of all publications issued by the City, and many old and interesting books and papers connected with the early history of Baltimore. Through this department is also purchased all stationery used in the municipal departments. The cost of stationery for 1891, exclusive of that for the Water Board, Park Commission and Supervisors of Election, which is paid for from their own revenues, was $7,033.38, being $776.62 less than the amount, $7,500, appropriated therefor.

The Librarian has faithfully discharged his duties in caring for and properly classifying the valuable documents, plats, etc., belonging to the City. He has made many improvements in arranging these papers tending to their preservation, and greatly facilitating the frequent searches for information in his department. In this connection most excellent judgment has been shown in the expenditure of the appropriation of $1,000 made by the last Council for the requirements of the Library. These plats and papers are annually becoming more valuable, and the suggestions of this officer in regard to their proper care should be favorably considered. I do not think his request for additional clerical assistance is unreasonable.

The report calls attention to a recommendation to the last Council, both by the Librarian and my predecessor in office, for the passage of an ordinance providing for a different mode of advertising for proposals for stationery, whereby the bidders would not be con-

fined to those engaged in the stationery *and* printing business, but be open to those engaged in the stationery *or* printing business; and he also suggests that the plan pursued by the United States Government be adopted, of asking for bids upon each article needed, and selecting the lowest bidder on each, instead of the present plan of adding up the bids on each article and then awarding the contract to the lowest bidder for the aggregate. This is a matter for your consideration. In this connection it cannot be denied that under the present plan the City certainly obtains its stationery at a very low cost.

COMMISSIONERS FOR OPENING STREETS.

The report gives a list of the streets and alleys opened and closed and in process of condemnation during 1891, with detailed accounts of assessments. The damages and benefits have been assessed for eleven streets, the cost of which to the City will be $717,068.15. In the list is widening Fayette street, from Calvert to Liberty, costing the City $549,902.58, provision for which is made in the Five Million Loan. I consider this a much needed improvement, and, as in the matter of the opening of Douglas street and the widening of the "narrows" of East Baltimore street, will fully repay even the large expenditures required, for which City bonds will be issued. Among the amounts to be provided from the tax levy in the above mentioned list are, for Hollins street, from the western line of the old City limits to Calhoun street, $38,894.85; Union dock,

at Eastern avenue and Concord street, $48,994.97; Penn street, from Haw street and Fremont to Columbia avenue, $29,101.70; and Federal street, from Aisquith to Eden, $23,419.69; Pinkney street, $4,607.70. The Hollins street opening requires a bridge over Gwynn's run that will doubtless cost forty or fifty thousand dollars; a glance at the map will show the triangular form in which it leaves many of the lots binding thereon, and also that it will be some time before the land is required for building purposes. In regard to Pinkney street it is already graded and paved, and I am informed that a majority of the adjacent property holders are opposed to the opening.

It will be well for members of the City Council, in voting upon ordinances for opening streets, to consider the question of their necessity, in view of the heavy cost and consequent addition to the tax levy. A quick return for these improvements in the increase of the taxable basis should be the chief inducement for such legislation, nor must it be forgotten that to pass an ordinance to open a street, and find out after all proceedings for its final opening have been taken, that a mistake was made and the ordinance should be repealed, entails a heavy loss on the City, which must pay all costs of plats, surveys, &c., thus uselessly made; this expense often runs up into thousands. In this connection I suggest for consideration a recommendation in the report, hereafter to be referred to, of the Examiner of Titles, that, as a rule, the Council should hesitate before passing ordinances for the opening of only one

or two blocks of a street in the sparsely settled portions of the City; that no ordinances should be passed for the opening of alleys only ten feet wide, and further, that all existing ordinances providing for opening such alleys should be repealed.

The City is often put to unnecessary expense by ordinances introduced in the interest of land owners, who have erected houses fronting on unopened streets, and when the lots and houses are sold, covenant in the deed that the purchaser and his heirs and assigns shall have the right, with other purchasers of adjacent lots, to pass over and use the said streets, but that the said streets are not public highways. After the lots, houses and everything but the unopened streets have been sold, the owner of the street-bed has an ordinance passed to open the street as a public highway. The street is of no saleable value to this owner, he cannot build upon it nor use it in any way than as a street; he cannot close it, for he has agreed with the parties to whom he has sold the lots that it shall remain open as a street. It being laid out as a street has enabled him to sell the lots and houses fronting thereon, yet he expects to receive a large price from the City by having it condemned and opened for a street. In such cases it would be far better to permit it to remain a private way, until the interests of the property-holders fronting thereon, for having it kept in proper repair, which will not be long, convey it to the City. I refer to such cases to show how careful, in view of a proper regard for the City Treasury, the Council should be in giving

a proper consideration to ordinances for opening streets. It would be well in most cases to confer with the Commissioners for Opening Streets as to the advisability of opening a street and its probable cost, before passing the ordinance.

LAW DEPARTMENT.

The report of the City Solicitor gives a full statement of all City cases tried, settled and now pending in the courts. One of the most important was that of Ulman vs. the Mayor and City Council; after this decision, it is impossible with existing laws and ordinances to collect the whole or any portion of the expense of paving or repaving streets from adjacent property holders. To meet the difficulty, an ordinance was prepared by the law officers, under which it was believed that assessments in such cases could be made and collected. The ordinance was introduced in the last Council, and strange as it may appear, although referred to a committee, was never reported therefrom. This matter should receive your prompt attention; in connection therewith some State legislation is deemed necessary, a proper bill, therefore, has been submitted to the General Assembly. The present Law Department of the City was organized nearly twenty years ago; the City has outgrown it. The amount of work devolving upon it is more than can properly be disposed of under the present system without prejudice to the public interests. The City Counsellor is required to try cases in the Superior Court, the

United States Courts and the Court of Appeals, and to give opinions required by the Mayor, either Branch of the Council, or any of its Committees. All other legal business, except the examination of titles, devolves upon the City Solicitor, even including assistance to the State's Attorney in prosecuting violations of City ordinances. When the growth of the City is considered and, especially, the many questions arising in connection with the new wards, it is scarcely possible for one man, however active and energetic, to perform all these duties with justice to the best interests of the community. It is manifestly impossible for the law officers to personally hunt up witnesses and look up evidence in the numerous City cases, and yet, under present circumstances, they are obliged to do this as best they may, because there is no one else to do it. Every railroad corporation of any importance has some such officer in its employment, whose duty it is to attend to this immediately upon the happening of an accident, so that the statement of every person supposed to have any information on the subject can be procured, and, when suits are brought, the counsel are in position to treat the whole case intelligently. No City approaching the size of Baltimore has so small a force connected with its Law Department, and we often suffer loss, because the counsel who are to try the case have not only to conduct the trial before the Courts, but must almost trust to luck to get the necessary evidence. Unwilling as I am to recommend the creation of new officers, I am sure it would be to the public advantage to provide for an Assistant City

Solicitor. Some young lawyer, at a moderate salary, could be appointed to such a position, whose duty would be to aid the City Counsellor and Solicitor by getting up testimony, trying magistrates' cases, drawing ordinances and resolutions at the request of City Councilmen, aiding the Collector in the collection of personal tax bills, and such other work as is performed by the young attorneys who are connected with all the important law firms in large cities. This suggestion is not called for by any indisposition on the part of the most excellent officers of our Law Department to perform faithfully and promptly all their duties, no men could have done better in their department, but to give them that assistance which is, in my judgment, necessary to enable them better to protect the City's interests. I am sure such an officer would save annually many times more than the salary he would be paid.

EXAMINATION OF TITLES.

An important division of the Law Department is that of the Examiner of Titles. His report is herewith submitted. It gives a list of all streets directed to be opened by City ordinances, on which preliminary and final examinations have been made, also the lots acquired by the City for school houses, rights of way for sewers and other purposes, which have passed through his department. The Examiner of Titles makes some good suggestions in connection with street opening, to which I have referred under the heading of "Commissioners for Opening Streets."

JAIL.

This institution has been admirably managed by its Board of Visitors during the past year. I am safe in saying, that there is no similar institution in the country kept in better or more cleanly condition, or more economically conducted. The expense to the City for 1891, was $54,815.09, leaving of the amount appropriated by the Council, an unexpended balance of $184.91. The revenue paid through the Comptroller into the City Treasury was $6,220.36, of which $4,554.26 was for prison labor, and $1,632.10 for custody of United States prisoners. The number of commitments was 10,249, of which 7,677 were for drunkenness and minor offences. The daily average of prisoners was 497. The sanitary condition of the prison has been good. This is shown by the fact, that of the large number confined, there were only four deaths. The administration of the jail has been wise and business-like. Full details are given in the reports of Mr. Daniel Constantine, the efficient warden, and Dr. Thomas S. Latimer, the physician, which I send herewith.

Changing the Law relating to Imprisonment for non-payment of Small Fines.

Section 68, of Article XXVII, Public General Laws, imposes a fine of one dollar and costs upon all persons found drunk or disorderly upon any public street or highway, and in default of payment of said fine, requires that the offender shall be committed to jail

until such fine is paid. Under Section 234, Article IV, Public Local Laws (see also Section 6, Article XIX, Baltimore City Code), persons so committed and being unable to pay said fine, are to be confined for thirty days. In my judgment, this law should be modified, giving to the committing magistrate some discretion in imposing the time of imprisonment. Many persons are arrested and committed for this offense and, by reason of their inability to pay the fine, the City is compelled to support them in jail for thirty days, costing much more than the amount of one dollar and costs. It would be cheaper in such cases for the City itself to pay the fine. In a number of these cases, imprisonment for a week or ten days would be sufficient punishment, especially for a first offense, and the City would thus often be relieved from supporting an overcrowded prison. This matter is referred to in the report of the Warden of the City Jail.

HEALTH DEPARTMENT.

The cost of this department in 1891, in the first twenty wards, was $88,060.58, including $5,000 for removal by water of garbage, and for the Quarantine Hospital, $17,881.13. In the 21st and 22d Wards the cost was $4,994.00. The number of deaths from all diseases was 10,073, of which 7,838 were white and 2,235 colored, a decrease of 125 as compare with 1890. The death rate was 22.13 per thousand, that of whites being 20.41 and of colored 31.48. The largest mortality was from consumption, 1,073, but even this was 176

less than during the previous year. Our death rate, says the Health Officer, would have been less had we not encountered the prevailing epidemic of influenza. There was no case of small-pox during 1891, and only 150 deaths from typhoid fever, a decrease of 97 from 1890. Of the zymotic diseases, including among them consumption, there were 3,888 deaths, a decrease of 523 or 4.26 per cent. as compared with the preceeding year. These figures, given more fully in this excellent report, indicate that Baltimore continues to maintain its reputation as the healthiest city in the Union. In my judgment this is somewhat due to our so-called antiquated system of surface drainage. Attention is called to the increasing want of a hospital for infectious diseases. These cases are not received at any of the hospitals and there is really no place to send sufferers in whose homes, as said by Dr. McShane, "no means can be taken for their isolution and proper treatment." When the new Quarantine Hospital was established it was proposed to use the old Quarantine buildings for this purpose. These buildings are now very dilapidated and if required for service would be unfitted in their present condition for accommodating the sick. Much opposition would also be encountered by the near neighbors to sending contagious cases to this locality. This difficulty, however, would be met with wherever a pest hospital was located. Fortunately, Baltimore has escaped such an infliction, but it may come, and some consideration should at once be given to the subject. In this connection, the Health

Officer suggests that better means should be taken to prevent small-pox by having a vaccine physician for for every ward in the City.

The report refers to the usefulness of the Morgue, at which 72 bodies were received during the year, and suggests the employment of a watchman who shall be in charge at night. The hours of the keeper are now from 7 A. M. to 7 P. M. The report of the Assistant Health Officer refers especially to the increased and effective work of the sanitary inspectors, nearly 9,000 more inspections of premises having been made than in 1890.

QUARANTINE DEPARTMENT.

The report of the officer at the head of this hospital, states that 594 vessels have been boarded and inspected during the year. The Quarantine fees collected and returned to the City amounted to $6,114.20. Only two vessels were detained on which were three cases of yellow fever. One case of diphtheria was sent from the City. Dr. Heiskell has under his immediate charge the old as well as the new Quarantine station, at the former a farmer and laborer are employed, and many of the supplies of vegetables, &c., are furnished to the new station. The doctor calls especial attention to the present unfit condition of the building for use as a pest hospital, and suggests that a Committee of the Council visit and inspect the premises. I have already referred to this matter in reviewing the report of the Health Officer.

HARBOR BOARD.

For purposes of harbor improvement in 1891 there was appropriated $50,000, but of this the Board had to pay for work done in 1890 $13,516.35, which had been returned into the City Treasury in 1890 as an unexpended balance. There was thus left only $36,483.85 to pay for work during this year, a small amount considering the importance of the harbor to the commerce of the City.

Only 158,596 cubic yards of deposit was removed, as follows:

From harbor proper..... 23,070 yards.
From back basin and docks..... 58,399 "
From Middle Branch (Spring Gardens)..... 77,127 "

The average cost was 14.47 cents. The back basin was dredged to fifteeen feet over nearly its entire area. Sewer deposits were removed from docks where necessary, and from the mouths of sewers. The whole area dredged was about 26½ acres. $3,124.44 was expended in repairing City wharves. The ice-boat "Latrobe" was kept in good order and in commission, at a cost of $7,646.09. There was no ice to break, but good service was done in affording enjoyment to about 14,000 people, conveyed to and from Chesterwood under the auspices of the Free Summer Excursion Society.

The Back Basin was dredged to 15 feet depth, over nearly its whole area. Sewer deposits were removed from docks where necessary, to 12 and 18 feet depths.

Shoal places in Harbor, off mouth of Harris' Creek sewer, and in Lower Harbor, on Canton side. In the Middle Branch, sewer deposits were removed to 12 and 14 feet depths off Chatsworth run and Howard Street sewer, and the Main Channel, above Moale's Point, was re-dredged to normal depths of 12 and 15 feet. The whole area dredged over was about 26½ acres, and the average depth of cutting 3½ feet.

Expenditures were $49,885.37.

Wharves.

The pier at City Yard was rebuilt except piling; old wharf at Cross street was removed, and a stone bulkhead built at foot of street. The wharf at foot of Commerce street was repaired with new flooring and stringers. On the west side of Long Dock, 86 feet of stone bulkhead was built on new foundations, and sundry small repairs were made to Pratt street, Bowly's and South street wharves.

Expenditures, including supervision of all wharves, were	$2,972 32
And for removal of Cross Street wharf.....	152 12

Ice Boat.

The City Ice Boat was not used for ice-breaking during 1891. Three (3) excursions were made during the summer for various public bodies, and twelve (12) for the benefit of the Free Summer Excursion Society (as required by law), during which over 14,000 persons were conveyed to and from Chesterwood.

The boat is in good order and ready for service.

Expenditures on this account were $7,646.09.

Removal of Ashes.

By Ordinance No. 32, of 1891, the Board were directed to provide a suitable vessel or scow, for the reception of ashes from tow-boats used about the Harbor, and for this purpose provided $5,000.00.

A scow was procured at a cost of $2,700, which has been in service since June last, during which time about 70 tow-boats have availed themselves of the facilities supplied by the City, and have deposited about 18,690 bushels of ashes in the scow.

Total expenditures, $3,523.77.

Harbor Laws.

By Resolution No. 81, of 1891, the Board were directed to have compiled and printed in convenient form for use, all Laws, State and Municipal, relating to the Harbor. This has been done, and many of the pamphlets distributed to those more likely to need them for reference.

There was appropriated for this purpose $150.00, and expended $95.60.

The Board renew their suggestion that a systematic plan be adopted to keep down the deposits in Jones' falls, above Canton Avenue bridge, and recom-

mend that money be provided to extend the deep water over and adjacent to the site of Foley's wharf, in the event that that is removed during this year.

By Ordinance No. 32, of 1891, the Board was directed to provide a suitable scow for the reception of ashes from tow boats used about the harbor; this was done at a cost, including maintenance, of $3,523,77, and 18,690 bushels of ashes were deposited in the scow which would otherwise have been dumped into the harbor. The Board renews its suggestion to keep Jones' falls dredged above Canton Avenue bridge, and to extend the deep water of the harbor over and adjacent to the site of Foley's wharf, which obstruction is at last in a fair way of being removed.

I find the same business administration of the affairs of this important department as when the Board was established during my first term of office.

I urge upon your Honorable Body such legislation and necessary appropriations as will maintain the proper depth of water in our harbor.

HARBOR AND RIVER RELIEF BOARD.

This Board, composed of the President of the Board of Trade, the President of the Corn and Flour Exchange and the Mayor of the City, has under its charge the ice-boat "Annapolis," which was built at the joint cost of the State of Maryland and the City of Baltimore. The City is required annually to appropriate $10,000 for the maintenance of the boat.

The report of the Board is submitted herewith. It gives the following statement:

Balance on hand Dec. 31, 1890....	$7,811 91	
Receipts from relieving vessels...	310 00	
Received from the City on account of appropriation for 1891.....	7,500 00	
		$15,621 91

DISBURSEMENTS.

Cost of maintenance, repairs, &c..	$8,246 75	
Balance on hand Dec. 31, 1891...	7,375 16	
		$15,621 91

During the year there was no weather calling the "Annapolis" into service as an ice breaker; she has, however, at all times been kept in a state of efficiency for any service she might be called upon to perform in connection with the commerce of the City or State.

STREET CLEANING DEPARTMENT.

The amount expended for street cleaning and removal of garbage in the first twenty wards of the City for 1891, was $283,070.54. The amount appropriated was $285,846, leaving an unexpended balance of $2,775.76. This expenditure was distributed as follows:

Cost of collecting garbage.....	$139,062 16
Cost of cleaning streets and removing dirt.	118,423 00
Amount expended on dumps.....	4,689 40
Amount carried forward.....	$262,174 56

Amount brought forward	$262,174 56
Cost of tools	2,404 50
Salaries	9,991 48
Contract price of removing garbage from City	8,500 00
Total	$283,070 54

In the 21st and 22d Wards the appropriation for the same service was $17,284, and the cost $16,487.33, leaving an unexpended balance of $796.67.

There are now employed in the first twenty wards 138 garbage carts, with men, at $18 per week; 58 street carts, with men, at $18 per week; 130 sweepers and scrapers at $10 per week. In the 21st and 22d Wards there are 12 garbage carts, with men; 3 street carts, with men, and 6 sweepers and scrapers. In the twenty-two wards there are 7 district superintendents, paid $1,000 per annum each. The Commissioner of Street Cleaning is paid $2,000 per annum. The sale of street dirt and refuse realized $912.76.

The report of the Commissioner gives full details of the work done. Attention is called to the fact of the constantly increasing cost of removing garbage, due to the difficulty in finding means of disposing of it. The Commissioner recommends, also, that it should be daily removed from houses, and no difference be made in this connection between summer and winter months. He also refers to the trouble in keeping many of the streets properly cleaned during the past year, on ac-

count of the number of large buildings being erected, and the construction of the Belt and Traction Railroads. He also suggests that the markets should be more promptly cleaned after market hours, and recommends an ordinance to enforce this duty. I recommend, in addition, that a City ordinance should require garbage and ash carts to be covered while going their rounds, and thus avoid the clouds of dust and abominable smell that often accompanies these vehicles.

It will be seen by the figures I have above given that this is an expensive department of the City Government. I do not think the results obtained are commensurate with the outlay. The department needs reorganization. I have again and again recommended it in my former messages, and now urgently suggest that your Honorable Body take action in the matter. I am sure good results will follow. The Commissioner is held responsible for the condition of the streets in connection with their being properly cleaned, and the regular and prompt removal of the garbage, and yet he is powerless to meet this responsibility by reason of the defective system in his department. All the men actually engaged in removing garbage and street cleaning are employed by the district superintendents without even his approval. This should not be. The Commissioner should employ the men, not the superintendents. If the latter want to recommend, let them do so, but let the appointment come from the head of the department. The public will never be satisfied until this change is made. It is common sense that

the man who is responsible should have full power over every man in his department. Do this, and you will no longer see the farming out of the garbage carts by men who do not themselves attend to the carts, but who get the place, draw the pay, and then hire some poor man at a lower rate to do the work, making their profit from the labor of their, not the City's, employee. If the City pays good wages, let the man who does the work get the benefit of it. Since this department was established every Mayor has recommended this change. I again ask for it your favorable consideration. This is another case where good results can only be obtained by concentrating responsibility on the head of the department.

FIRE DEPARTMENT.

The Fire Department of Baltimore consists of 15 engine companies, 1 fire boat, 9 hook and ladder companies and 8 chemical engine companies. The force employed is 228 permanent members and 51 call members. There are 20 steam fire engines, 15 of which are in regular service and 5 in reserve, 24 hose carriages and 5 hose wagons, 8 hook and ladder trucks, of which 6 are in regular service and 5 in reserve, 6 Hayes' extension ladder trucks and 2 bank ladder trucks, 8 double tank chemical engines, 5 fuel wagons, 46 chemical fire extinguishers, 8 officers' wagons, 1 wrecking truck, 6 life nets, 1 fire boat, and 1 water tower. There are now in the service 120 horses. Connected with the department is the system of Police and Fire Alarm Telegraph.

The cost of the department in 1891 was $336,476.67, distributed as follows:

Expended on Fire Department proper in first 20 Wards...	$263,914 31	
Expended on Fire Boat.....	17,425 36	
Expended on Police and Fire Alarm Telepraph, including maintenance.....	25,033 25	
		$306,372 92
In the 21st and 22d Wards—		
Expended on Fire Department proper.....	$28,627 84	
Expended on Police and Fire Alarm Telegraph.....	993 29	
Deficiency.....	482 62	
		30,103 75
Total.....		$336,476 67

The actual cost of maintenance, including Police and Fire Alarm Telegraph, was for the first 20 wards $281,110.71, and for the 21st and 22d Wards $29,621.13.

The department is governed by a board of three commissioners, who are paid an annual salary of $1,000 each, in addition the Mayor is *ex-officio* a member.

During the year 1891, all the men attached to the first seven Engine Companies and Nos. 1 and 2 Hook and Ladder Companies were by ordinance made permanent; one permanent member was added to each of the other Engine Companies, two to the other Hook and Ladder Companies. The Fire Boat and Water Tower were also added.

During the past year there were 676 fires, with a total loss of $650,009.73, of which $245,417.40 was caused by the burning of the Baltimore and Ohio Elevator. This speaks well for the efficiency of the department, and should be gratifying to the iusurance companies.

The Board recommends the erection of two more engine houses, one on the lot purchased on Twenty-first street, between Maryland avenue and Oak street, and the other on corner of Fort avenue and Haubert street.

POLICE AND FIRE ALARM TELEGRAPH AND UNDERGROUND WIRES.

The reports of Superintendent McAleese gives a detailed statement of matters connected with his department. He says, that the lines are in good condition and have been greatly improved by changing the wire from iron to copper. Nine additional boxes were added during the year. There are now 64 keyless boxes, 35 having been added in 1891. This is a great advantage, a house might almost burn down before a key was found to open the alarm box. The report calls attention to the necessity of putting all telegraph wires under ground.

In my judgment, this improvement should be made; that it will be costly to corporations whose privileges of overhead wires and unsightly poles have been long enjoyed there is no doubt, and any legislation in this connection will meet with much opposition. It must

come, however, here as in other cities, better; therefore, begin now, make one job of it, don't do it by piecemeal, is my advice. The City, in granting the franchise to the telephone conduit, reserves the right to use it for the police and fire alarm wires and, as far as they go, these conduits could now be used for this purpose. While this would be a great advantage to the Police and Fire Alarm Department, it would only get rid of one set of wires and, comparatively, a small proportion of the street poles, at an expense of about $50,000, or two cents on the tax levy. The City Solicitor has prepared a law, already submitted to the Legislature, authorizing the Mayor and City Council to provide a system of conduits under the streets for use of telegraph and other wires, and to require their removal with the poles from the streets. The wires to be put in the conduits so provided on payment of such reasonable rent as the Mayor and City Council may prescribe. The proposed law also authorizes the appointment by ordinance of an Electrical Commission to supervise the work. In the enabling act, prepared by the City Solicitor and also before the Legislature, authority is asked to permit the City to expend $1,000,000 for construction of these conduits. In other cities similar conduits have been built by private corporations and considerable profits realized from the rentals. I propose that the City shall build its own conduits with labor employed by it, and make for the taxpayers the profit from rentals. The conduits will thus be controlled by the municipal corporation. The amount authorized would probably be sufficient only for the central por-

tion of the City, but it is there where overhead wires are most inconvenient, and hereafter the system can be extended.

I also strongly urge that all telegraph, telephone and other poles should pay a license for the use of the streets; in many cases they are objectionable to the property-holder, but under the present law can be located at the will of the company, in fact the State law declares they shall not be "deemed a public nuisance, or subject to be abated by any private party." And yet this valuable right to such use of the streets, as their own discretion decides upon, is enjoyed free of cost. "In Philadelphia," as I am informed from its Mayor's office, "a license fee is imposed by City ordinance upon all telegraph and telephone companies, both for poles and for wires strung." Of course the companies have opposed and resisted it, and although that city was successful in its litigation in all the State Courts, the case has been carried to the Supreme Court of the United States, where Philadelphia, if successful, will recover over $50,000 of license fees. The City Solicitor has, at my instance, prepared a law to be submitted to the Legislature authorizing Baltimore to charge for this franchise in the use of its streets by private corporations. It will, of course, encounter much opposition from powerful companies, but, in the interest of the taxpayers, ought to become a law.

PUBLIC PARKS.

The Park Commission has now under its charge the following parks, for the maintenance of which the amounts hereafter stated have been expended in 1891. The report of the Engineer gives a detailed statement of the work done at each park.

Druid Hill Park	700 acres.
Patterson Park	56 "
Patterson Park Extension	50 "
Federal Hill Park	8¼ "
Riverside Park	17¼ "
Johnston Square	2.58 "
Collington Square	5.14 "
Mount Royal Terrace	2 "
Carroll Park	19.72 "

The receipts from the park tax on the City Passenger Railroads in 1891 was	$174,916	64
From other sources from the parks, such as rentals, sales of sheep, fines, &c.	4,278	34
	$179,194	98
Deduct interest on park stock	8,000	00
	$171,194	98
To which add balance on hand January 1st, 1890	53,264	65
Total applicable to maintenance of parks in 1891	$224,459	63

During the year 1891, the park fund was required by the City Council to maintain all the public squares. The improvement of what is known as the Patterson Park Extension is paid for from the issue of bonds under the provisions of the Five Million Loan. The report of the Engineer of the Board gives a detailed account of all the work in the several parks. During the year the long deferred settlement of the dispute about the Presstman lot in Druid Hill Park has been ended by condemnation, and the ground is now owned by the City. Many of the roads have been greatly improved, especially that known as the Druid Lake drive, the northwestern section of which has been widened from 27 to 40 feet for a distance of 1,504 feet, of which 750 feet have been Macadamized, and 1,324 feet raised, regravelled and then coated with broken stone. New paths and footways have been constructed and others opened. In Patterson Park the new observatory has been completed and opened to the public; from the top of this structure is obtained a beautiful view of the harbor. The mall or promenade in front of the conservatory has been paved for its whole length with asphalt blocks. The work of improvement of the Extension is progressing satisfactorily. A reference to the report will give full information of the improvements made and in progress in all the other parks.

INSPECTOR OF BUILDINGS.

The report of this officer gives a detailed statement of the work of his department during 1891. The amount expended was $184,344.65. The net revenues

were $7,354.90, in 1890 revenue $6,945.38, and $6,857.40 in 1889. Several new school houses were erected during the year, and others provided for by ordinance are now in course of construction. Alterations, additions and repairs found necessary have been made to old school buildings. Engine House No. 15, on West Lombard street, has been rebuilt, with all modern improvements, and a house erected on Commercial wharf for the accommodation of the men attached to the Fire Boat. The want long felt of a City Morgue is supplied, and its usefulness fully appreciated. All the public buildings and market houses have been kept in proper repair. The gratifying fact is alluded to that a proper building law has been enacted. In connection with this law, and to provide for its proper enforcement, the attention of the Mayor and City Council is directed to the necessity of making provision for the appointment of at least four additional deputy assistants. This department is well and economically managed by the present Inspector, who, promoted from the chief clerkship in his department to his present position during one of my former terms as Mayor, has been continued in office under several administrations of the City Government.

BAY VIEW ASYLUM.

On January 1st, 1891, there were 1,512 persons in this asylum; admitted during the year, 2,423; born in the institution, 5. The number participating in its benefits during the past twelve months was 3,940; average number of inmates, $1,141\frac{8}{12}$. The cost of its maintenance

was $94,996.84, and the receipts paid into the City Treasury were $2,924.36. The cost of supporting the inmates was $80.64 per capita per annum. The completion of the new building for the insane gave great relief to the institution by furnishing additional room for about 120 patients. This new hospital, however, is rapidly filling up, and before the end of 1892, the Trustees of Bay View will be again embarrassed in furnishing proper accommodations for this unfortunate class. An effort will be made at this session before the General Assembly to induce the State to provide for the care of all of its insane patients, and for this purpose to erect an asylum on the Eastern Shore, and another building in the near neighborhood of Spring Grove Hospital. Bay View Asylum is well managed and the Board of Visitors are entitled to much credit for their services. Their object is to make as comfortable as practicable under the circumstances, those unfortunates who, broken in health and fortune, are compelled to rely upon the public for their support. Occasionally some, who are undeserving, obtain its benefits, but a large majority are the old, infirm, sick and insane poor of this great City. Many persons, residents of other States, and especially of counties in this State, find their way at times to Bay View Asylum. It would be much cheaper to send such people to their own homes. I therefore recommend a liberal appropriation be made for this purpose.

The Board of Visitors, with a view of giving all proper attention to the insane patients have determined

to employ a resident physician who shall have charge of this class, and by proper classification and treatment afford every opportunity for their restoration to health. There are necessarily a large number of sick and infirm among the inmates, and it has often been suggested that it would be advisable to have some regularly trained nurses to take charge of the sick wards. This matter will no doubt receive proper consideration from the Board of Visitors. Bay View, as I have said in my former messages, is an asylum, not a prison, and therefore the inmates are not subjected to prison discipline. The inmates, however, do all inside and outside work, and on the farm connected with the institution grow nearly all the vegetables consumed therein. There are two resident physcians and a number of resident students, the hospital department being under the direct supervision and control of the College of Physicans and Surgeons and the Maryland University, whose profession pay daily visits and direct the work in this connection.

PUBLIC SCHOOLS.

Free public education is the best guarantee of free institutions. No better investment, in my judgment, is made by the people than the money expended for a proper and liberal maintenance of free schools. We have good reason in Baltimore to be proud of our public schools. The report of the Board of School Commissioners, sent herewith, gives full details of the management of this department.

The number of schools under the charge of the Board in 1891 was 148, classified as follows:

	Teachers.	Pupils.
1 Baltimore City College	15	451
2 Female High Schools	23	872
1 Manual Training School	15	370
40 Grammar Schools	322	12,558
63 Primary Schools	485	20,204
5 English-German Schools	127	5,286
18 Colored Schools	168	7,079
18 Annex Schools	135	5,723

The number of pupils at the end of the year was 52,543, under the charge of 1,301 teachers, and the whole number attending during the year, exclusive of duplicate enrollment, was 66,836, being an increase of 1,644 over the previous year.

The yearly increase in the number of pupils indicates the continuing confidence of the public in our schools and their management.

The percentage of attendance in all the schools was 86, ranging from 93 in the College and Female High Schools, the highest, to 80 in the Colored Schools, the lowest. This attendance was satisfactory, in view of the unusual amount of sickness which prevailed among the pupils of our schools.

The number of non-resident pupils attending the schools was 133, who paid the sum of $3,395.85 for tuition and books.

The average annual salary of the teachers was $579, and the per capita cost of the pupils for all the schools was $18.02. A recent comparative statement shows that the salaries paid our teachers are less than those paid to the teachers of public schools in other large cities, and that our cost per pupil and the total annual amount expended are much less than in those cities.

Financial Statement.

The estimate of the Board for current expenses for the year 1891 was $958,000, of which $96,000 was for the Annex Schools, and the full amount was appropriated by the City, of which $957,820.14 were expended by the Board, leaving an unexpended balance of $179.86.

Receipts.

The total receipts for current expenses for the year were as follows:

From City Collector, taxes	$644,072 64
" State Treasurer, taxes	185,154 98
" Non-resident pupils	3,395 85
" John F. Plummer, interest on legacy	114 50
	$832,737 97

The amounts received from the City Collector were $12,052.43 less, and from the State Treasurer, $2,535.74 more than during the year 1890.

The school tax, which is annually collected by the State Treasurer for support of the public schools of the State, arises from a tax of 10½ cents on every $100 of taxable property throughout the State, and the amount thus received by the Treasurer is afterwards apportioned and distributed quarterly to the Boards of School Commissioners of Baltimore City and the several counties, in proportion to their school population. The amount annually paid by the City to the State is largely in excess of the amount received, being more than $100,000 each year.

The object is good, but many of our citizens think that the distribution is inequitable, and that there should be some legislation to regulate the distribution on a different basis.

Expenditures.

The total amount paid for current expenses of the schools was $957,820.14, and by the Inspector of Buildings for new houses and general repairs was $110,-881.01, as follows:

Salaries in white schools, old limits of City	$594,979 11
Sundry expenses in white schools, old limits of City	138,733 17
Salaries in colored schools, old limits of City	89,034 25
Sundry expenses in colored schools, old limits of City	14,188 51
Amount carried forward	$836,935 04

Amount brought forward	$836,935 04
Salaries in 21st and 22d Wards schools	76,314 40
Sundry expenses in 21st and 22d Wards schools	19,587 67
Manual Training School	24,983 03
Total amount for all schools	$957,820 14
Amount expended by Inspector of Buildings for new houses and general repairs of old buildings in City, (old limits)	83,349 27
And in 21st and 22d Wards, for new houses and repairs	27,531 74

Estimate for 1892.

The estimate for current expenses is $1,018,500, of which $105,000 is for the Annex schools, as follows:

Salaries of officers and teachers		$718,500 00
Rents and ground rents		38,000 00
Books and stationery		47,500 00
Heating apparatus and repairs		11,000 00
Furniture		25,500 00
Fuel		26,000 00
Repairs and cleaning		10,000 00
Incidentals, printing and supplies		11,000 00
		$887,500 00
Manual Training School		26,000 00
Salaries in Annex schools	$84,000 00	
Amounts carried forward	$84,000 00	$913,500 00

Amounts brought forward..	$84,000 00	$913,500 00
Rents and ground rents	2,500 00	
Books and stationery.....	4,500 00	
Heating apparatus and repairs	2,000 00	
Furniture.....	5,500 00	
Fuel.....	2,500 00	
Repairs and cleaning.....	2,000 00	
Incidentals and supplies.....	2,000 00	
		105,000 00
Total estimate.....		$1,018,500 00

The report of the School Commissioners says:

"This estimate is in excess of the amount appropriated and expended during the past year, and has been made after a careful consideration of the increasing requirements of the schools. The items are presented so that the public may ascertain the manner in which the appropriation will be expended, and judge whether the amount is fair and reasonable. There will probably be an increase of not less than 2,000 pupils during the year, which will require the appointment of 50 additional teachers, which necessarily involves increased expenses for salaries, books, furniture and other supplies."

School Houses.

There are 105 houses occupied by the schools, of which number 82 are owned by the City, and 23 are rented, and the estimated value of those belonging to the City is $1,594,400.

During the past year a new house was erected for Annex School No. 13, at corner of North avenue and Washington street, and several others will be completed and ready for use within four months. The Inspector of Buildings has altered and enlarged several old houses, and thus furnished better accommodations. The house on Park avenue near Preston street, occupied by Grammar and Primary Schools No. 19, was sold to the Maryland Construction Company for $25,000, and a new and commodious house, with a capacity for 1,000 pupils, is being erected at the corner of Park avenue and Hoffman street for those schools. A new building is being erected on South Bond street, for the use of Primary Schools No. 25, which now occupy an old and unsuitable house on Caroline street. Two new houses are being built on or near the Frederick road, the one on Millington avenue for Annex School No. 11, and the other at Carroll for Annex School No. 10.

In connection with the construction of new school buildings, it is suggested that the amounts appropriated for new buildings are often insufficient to erect houses of proper size and seating capacity, and the result is, that additional appropriations must be made in a short time to enlarge the houses. The proper policy in erecting new school houses would be to make them sufficiently large, not only to accommodate the pupils now in the schools, but also to provide for the annual increase in members. Lots should be selected

of not less than 100 feet front and 150 feet deep, and an appropriation of not less than $30,000 for each new house.

The report of the Board says that "appropriations will be asked for the erection of a new house on Harlem avenue near Monroe street, for Grammar Schools No. 18, and a new house on Pennsylvania avenue and Dolphin street, for English-German School No. 1, the lots having been leased for these schools.

"Application will also be made for a new building for the Western Female High School, as the present house is unsuited in many respects.

"Appropriations will probably be asked for two or three more houses, but the demand will not be as large as during the past two or three years."

It will also be a matter for consideration whether the time has not arrived for the establishment of a Manual Training School for colored pupils, thus giving the youth of that class an opportunity of being taught how to make a living by the use of their hands.

The report of the Board in connection with these requirements for new buildings, furnishes an additional reason for the adoption of the enabling act hereinafter referred to, by which such permanent improvements may be provided for by the issue of bonds, otherwise this necessity will be a heavy burden on the tax levy.

The report refers to the intention of establishing a training school for teachers, and also the introduction of instruction in sewing in the Female Grammar Schools. It also calls your attention to the custom of charging the $30,000 paid annually by the City for ground rents on public school buildings to the expenses of maintenance of public schools, thus increasing the apparent amount of the current expenses of the schools. It suggests that this be charged to City property.

The report is very full and interesting to the public. I regret the limits of this message deny my giving a more thorough review of this subject. I earnestly recommend that liberal provision be made for this department of the City Government.

GENERAL SUPERINTENDENT OF LAMPS AND INSPECTOR AND SEALER OF GAS METERS.

This office has charge of lighting the City, and in addition the inspection of gas meters. For the latter work a charge is made, yielding during the past year $2,059.50, which, with $246.10 received from repairs of lamps, made a gross revenue to the City of $2,305.60. In the first twenty wards there are 4,703 gas lamps, and in the 21st and 22d Wards 534, a total of 5,237. The cost of gas is $1.25 per thousand. The City has no contract, paying for its gas in the same way and at the same rate as do private consumers. There are, in the twenty old wards, 962 electric arc lamps, and 3 in

the two new wards, a total of 965, with 32 electric incandescent lamps in Madison Square. This does not include electric lights in Druid Hill Park, which are paid for from the Park Fund. The City pays at the rate of thirty-five cents per night for each arc light. It has a contract with the Brush Electric Company for five years from July 1st, 1890, with the privilege of annulling the same at the expiration of two years, should it be deemed desirable. The cost, thirty-five cents per lamp, does not seem excessive, judging from the amount paid in other large cities. There are in the twenty old wards 639 gasoline lamps, which, with 519 in the two new wards, makes a total of 1158. Those in the old wards are furnished with fluid and burners and filled and repaired at a cost of $11.00 each per annum, and in the 21st and 22d Wards, where the City does the repairing, at a cost of $7.50 per annum. The contracts for supplying gasoline lamps expire June 30th proximo. The cost of gas in 1891 was $139,107.36, cost of electric lights $102,815.10, gasoline $9,947.73, lamp pillars, lamps and incidentals $8,688.85, salaries of lamplighters and superintendents $57,022.29, making the total expense for street lighting in 1891 $317,581.55. In 1892, without any increase in the present number of lamps, the cost of street lighting will be $350,191.03. There are six Superintendents of Lamplighters paid twelve dollars and fifty cents per week each, and 130 lamplighters each paid eight dollars per week. Complaint is made of lamps burning after or lighted before the regulation hour,

this is caused by the length of the route or "beat" of the lighter necessitating his commencing lighting before sundown and "putting out" after sunrise. On this account also it is almost impossible for six superintendents to give proper supervision to their district. Nor has the General Superintendent the opportunity to exercise the required attention to his work, for in addition to his duties as Superintendent of Lamps he is Inspector and Sealer of Gas Meters, this last duty usually occupies his time or that of his one clerk almost daily from 9 A. M. until 3 P. M. In fact the City has outgrown the present organization of the department. I agree, therefore, with the recommendation in the report, that an additional employee be provided for, whose sole duty should be the examination and sealing of gas meters. As the revenue from inspecting meters is over $2,000 per annum, the office would be self-sustaining.

ENOCH PRATT FREE LIBRARY.

The Enoch Pratt Free Library has been open to the public now for six years. The building was erected and then, with the lot, deeded by Mr. Enoch Pratt to the City. The estimated value of the gift was $250,000. At the same time Mr. Pratt handed to the Mayor his check for $833,333.33, the income of which was to be applied to the maintenance of this most useful institution. The City authorities prudently invested this last sum in City stock, with the purpose of letting the annual interest thereon compound with the principal

until it amounts to a sum, the interest of which will be $50,000 per annum, which will liberally support the Library; in the meantime, the City itself assumes its support. The Library has five branches, located in different sections of the City. Its usefulness is shown by the fact that during the six years of its existence it has issued for circulation among the people 2,601,-991 volumes. Its reading rooms have furnished attractive places for reading the current periodicals and reference books on their shelves. It has expended since its organization $154,902.08 in books, periodicals and binding.

The report of its operations for 1891 shows that the total expense for the year was $50,291.21, as follows:

For books	$22,551 20
For periodicals	1,421 54
For binding and rebinding	1,628 86
Miscellaneous expenses	5,366 81
Salaries of employees	19,300 50

There have been added to the shelves of the Library, in 1891, 13,320 volumes. The total number of books is now 106,663 volumes.

The success of the institution must be as gratifying to the founder as it is of value and benefit to the recipients of this noble gift.

The report of Mr. W. B. McAtee, the City's Visitor, states that he has examined the books and accounts of the Enoch Pratt Free Library, for the year 1891, and found them correct in every particular.

CITY PROPERTY.

I deem it advisable to recommend the sale when opportunity offers of all property owned by the City and not used for public purposes, but rented or leased to individuals. The City should not act as landlord, but should acquire and hold only such property as it may require for municipal purposes, and thereby be relieved from the collection of rentals, etc.

The City of Baltimore owns a large number of lots and tracts of land, occupied by school houses, engine houses, police stations, markets, public parks and squares and other public uses, and though all properties acquired by purchase and conveyed to the City by deed are recorded and platted in the City Property Books, (which were prepared during one of my former administrations), still it is desirable, in my opinion, that all property acquired by condemnation proceedings or dedication be likewise recorded and platted, including the location of all public sewers and wharves.

The annual revenue derived by the City from public wharves would undoubtedly be largely increased by the establishment of the City's wharfage rights and boundary lines, where they have in many places been invaded by adjoining property owners.

It is a matter for consideration whether there should not be some one whose special duty it is to look after this public property.

BOARD OF POLICE.

Among the drafts of bills submitted to the Legislature is one providing that the Mayor himself shall be ex-officio a member of the Board of Police, and that he shall appoint another member subject to confirmation by the Council. While no charge is made against the manner in which this department is managed, it seems to me but simple justice that the City, which pays all the bills, should have a representative on the Board which spends the money. The expenses of the department for the year 1891 were $787,996.58, exclusive of payments made by the Board from its revenue from fines, &c. Mayor Kane, Mayor Whyte, Mayor Hodges, and myself in each of my five terms, have earnestly called this matter to the attention of the Legislature. Under the present law the Board of Police can draw on the City for whatever sums of money it deems proper, and, if the City does not see fit to pay, the Board has power to issue scrip which is made receivable for taxes. All revenues received by the department from fines, &c., instead of being paid into the City Treasury, as is that from every other department, goes into what is called the reserve fund of the Board, and is used as the Board thinks proper in building station houses, &c. It purchases its own stationery, instead of obtaining it, as do all other City departments, through the City Librarian.

Mayor Whyte, in his message, January, 1882, when the expenses of the police force was $584,846.50, says: "In my opinion it is due to the City of Baltimore that

its chief executive officer should be at the head of the Police Board. The expense of maintaining the force, * * * is a charge upon the tax-payers of the City, amounting to nearly $600,000 annually, and yet by the terms of the law, while all the liability of the Mayor and City Council for the faithful discharge of its duties is preserved, the Mayor and City Council is prohibited from all control over said board or any officer of the police, policemen or detectives appointed thereby. The violation of all ordinances is to be punished, and the Mayor is to see all ordinances faithfully executed, and yet he cannot control any police officer or direct him in regard to any penal ordinance whatever. * * * The local authorities of Baltimore county have full authority to appoint their own police officers, while a like privilege is denied to the municipal authorities of Baltimore. No good reason has been urged against this proper demand that the Mayor shall be one of the Board."

Mayor Hodges, in his message, January, 1886, says: "The necessity for an amendment of our police law, such as would confer upon the City of Baltimore a participation in the control over a department of the public service purely local, and for the support of which it is taxed more than $600,000 annually, has long been apparent, and we have every right to insist that the wishes of our citizens and tax-payers shall be gratified by a change in the statute. A condition of affairs under which the Board of Police Commissioners

are practically autocrats, gifted with an anomalous power, and responsible to no local authority for the exercise of it, is dangerous to the public welfare and foreign to the spirit of popular representative government. * * * * The natural direction of the sentiment of reform is towards making the Mayor a member of the Board by virtue of his office, with the same powers as those possessed by other members. He should, especially, have the power to vote on all questions involving the expenditure of the public money, and thereby have the opportunity to exercise his influence in behalf of an economical administration. It is the right of the people of Baltimore, who support the force, to be fully and accurately informed as to the particular and general expenditures. The appropriations made by the Board should be voted in open meeting, and the vouchers and accounts should be audited by a City officer."

It seems to me that such arguments are unanswerable in favor of the bill. In the change proposed I have provided for the appointment of one member by the Mayor, who can always be present at the sittings of the Board. The many duties of the Mayor would prevent this in his case, but being *ex-officio* a member, he would have a voting power on all questions involving expenditures, and proper rules and regulations for the government of the force, and keeping of its accounts.

LAWS TO BE PRESENTED TO THE LEGISLATURE.

The following drafts of laws have been prepared by the law officers, and will be presented to the General Assembly. Their enactment will, I believe, be beneficial to the interests of Baltimore. Several of them have been referred to in other parts of this message.

No. 1. An act to increase the power of the City for condemning property. We are often embarrassed by the refusal of parties to sell, except at exorbitant rates, property actually necessary for municipal purposes.

No. 2. An act increasing the powers of the City in collecting wharfage on its wharves. This puts the City in the same position as private wharf owners in this connection.

No. 3. An act giving to the City the same power of appeal in condemnation cases as is enjoyed by private parties. At present the law is all on one side.

No. 4. To increase the membership of Board of Police Commissioners. I have already referred to this law.

No. 5. To enlarge the powers of the City in paying the purchase money of property condemned for municipal purposes into court in cases of disputed ownership, &c. This will greatly facilitate the opening of streets after all damages and benefits have been assessed.

No. 6. An enabling act authorizing the issue of six millions bonds by the City. Referred to in another part of the message.

No. 7. In connection with putting telephone, telegraph and other wires under ground. Also referred to before.

Nos. 8 and 9. To enable the City to levy and collect assessments for opening, grading, paving and repaving streets. Under existing laws, no street can be graded and paved and adjacent property assessed therefor.

Other drafts of legislation in the interest of the City will be submitted during the session of the Legislature. Among them, I suggest, forbidding by legislative enactment any street railways from being laid down upon either Cathedral street or Mount Royal avenue; these are great thoroughfares to Druid Hill Park, and should be, in my judgment, left for driving purposes.

REFORMATORY INSTITUTIONS.

I recommend the usual appropriations to these useful institutions. The reports of the House of Refuge, Saint Mary's Industrial School for Boys, the House of Reformation for Colored Boys, Industrial Home for Colored Girls and Female House of Refuge, all indicate an efficient and economical management. The City is represented on the Board of Managers of each. In Saint Mary's Industrial School there were 587 boys. During the year on the close of its fiscal year, November

30th, the number was 394. There are now in the House of Refuge 181 boys. In the House of Reformation for Colored Boys there are now 275 inmates. The managers of this last named institution in their report call attention to the necessity of erecting another family building; the present accommodations did not permit them to receive all the boys committed by magistrates. They ask the State and City to each give them an appropriation of $8,000 for this purpose. In this institution Mr. Enoch Pratt is an active member of the Board, to whose interest and liberality it is largely indebted.

TWENTY-FIRST AND TWENTY-SECOND WARDS.

I ask for a proper consideration of the wants of the two new wards. It is true that in accordance with the terms of the annexation act, the rate of taxation on property therein remains at sixty cents, but it must be remembered that when they joined fortunes with the old wards, while they obtained all the advantages of municipal government, they also became partners in a municipal indebtedness amounting to many millions.

The low tax rate will greatly encourage building and improvements in that district, and, when after the expiration of eight years—a comparatively short time—the mantle of our full tax rate is spread over our new brothers, we will then realize probably no better municipal investment was ever made by any city than when we took them in.

NEW COURT HOUSE.

In the Enabling Act providing for the issue of six millions of bonds, provision is made for applying a portion of the fund to the erection of a new court house. This, in my judgment, is now a necessity. The constant danger from fire to valuable records, the loss of which would be almost incalculable, admonishes us that proper means should at once be taken for their preservation. The necessity for better accommodations for our courts is recognized by the public, as well as by the members of the bar. No class of citizens realize this more than those who are daily called to serve on juries. I am opposed to patching up the old building. The City now owns nearly all the property on the square bounded by Lexington, Saint Paul, Fayette and Calvert streets. The widening of Fayette street will leave a narrow strip of land which, as referred to in the report of the City Solicitor, the City can now purchase for the same price as was paid at its public sale. The other property, consisting of the Hotel Imperial and two houses now occupied by Circuit Court No. 2, could be acquired either by purchase or condemnation. Court House lane can then be closed and a new court house erected in the middle of the square above referred to, with an open space on all sides, thus giving protection from fire, and securing that quiet so necessary in a court room.

I think the whole could be done by such a commission as built the City Hall, to cost within the sum of

$1,500,000. Ample provision would thus be made in the new court house for the accommodation of the Police Department, Fire Department and some of the other departments now occupying rooms in the City Hall, thus relieving that building from the pressure that in a few years will otherwise compel the City either to provide outside rooms or enlarge the City Hall.

Other Provisions of the Enabling Act.

To some of the other purposes of the Enabling Act I have already referred to, that for re-paving is to give the City power to expend at least a million, if not more, in increasing the improved pavements. We have now between eight and nine hundred thousand dollars, the immediate expending of which I have hereinbefore suggested; but this will really do very little when spread over 450 miles of streets. The provision for constructing sewers will enable us to continue the absolutely necessary work of taking care of storm water. The subject of underground wires I have already fully referred to. The topographical survey of the new wards is in my judgment also a pressing ne cessity, to enable us to establish grades, and lay out streets and avenues through the entire territory, making of it such a plat as Poppleton's plat of the City. We should also put down some improved pavements in these wards; the propertyholders are entitled to it, as are also those of our citizens who drive or ride on the wheel, for pleasure or business, over what are now temper-trying, vehicle-breaking and horse-injuring cobble-

stones. The act will also make provision for the erection of such new school houses as are actually required to meet the regular annual increase of pupils.

Effect of Enabling Act on City Indebtedness.

The following City stock is due and payable within the next three years:

Exempt loan, 6 per cent., at pleasure after September, 1893	$ 410,353 87
Consolidated loan, 6 per cent., payable September, 1893	2,211,068 05
Water loan, 6 per cent., at pleasure after July 1st, 1894	263,000 00
Water loan, 5 per cent., at pleasure after July 1st, 1894	3,737,000 00
Park improvement loan, 6 per cent., payable January 1st, 1895	185,723 80
	$6,807,145 72

A large part of these loans will be paid off at maturity by the sinking funds, or in part renewed at a much lower rate of interest. If the Enabling Act is passed, it will be at least almost a year before any of the bonds could be issued, and many more years before it could all be expended. In the meantime, the City can have practically paid off more of its debt than the amount of bonds for which permission is asked to issue under the act. If these bonds could not be issued at 3½ per cent., they would certainly bring a premium at 4 per cent., and any premium so realized under a City ordinance goes into the sinking fund.

MARYLAND INSTITUTE.

I recommend a continuance of the usual appropriation for the Maryland Institute. The work it is doing in this community is practical and productive of excellent results.

Several hundred young men and women are here receiving the best instruction in architectural, mechanical and artistic drawing. Its President and Board of Managers deserve thanks for the admirable manner in which it is conducted. Both State and City have done well in giving it aid.

RAPID TRANSIT.

I hope all proper encouragement will be given to further that spirit of enterprise which seems to be at last influencing our street railways to get rid of the horse car. We undoubtedly are under obligations to those who built the Traction road for one of the greatest improvements our City has known for many years; let us offer in the way of legislative facilities every inducement for other lines to do likewise. But at the same time let us not forget to carefully guard what is known as our park tax; we have already given away free of cost too many valuable street franchises; let us hold on to that one which the wisdom and far-sightedness of a former administration secured for us.

IMPROVED PAVEMENTS.

In my judgment the improvement most needed in Baltimore at this time is that of replacing our cobble stones with improved pavements. All other large cities are turning their attention in this direction, and Baltimore, which has been first in so many things, should not be last in this. We have trundled our vehicles and stumbled our horses long enough over abominable streets, trying our tempers and injuring our health by jolting, and lightening our purses in paying for repairs; let us now, especially when several thousand of our people use the "wheel," which requires a smooth roadway, make a new departure. It will be costly undoubtedly. We have spent already nearly two millions of dollars in this direction, and have smoother pavements on yet only a very small proportion of our four hundred and fifty miles of streets. Heretofore the system of paying for original paving has been followed in repaving; that is, the City has paid one-third of the cost and the adjacent property-holder two-thirds, the argument in behalf of which is that the improved pavement adds to the value of the property binding thereon, and the property should, therefore, bear part of its cost. On the other hand, it can well be said that the property-owner, having paid his portion of the original cost, repaving is in the nature of repairing, and, therefore, should be paid for from the public purse. And again, the thoroughfares or streets being for the use of the general public, and so used, the interests of the general public require they

should be well paved. It ought not to be said that because the City paves one street with improved pavement, and thus indirectly benefits the owners of property binding thereon, therefore the owners of property binding on every other street are entitled to improved pavements. It might with the same reason be said that because the City puts electric lights on Baltimore street, therefore the owners of property on every other street can demand the same improvement. The City must select those streets for smooth pavements on which such improvement will most benefit the general public, just as it does in the case of electric lighting. This is the plan adopted in all the other large cities, and public opinion, in my judgment, requires Baltimore to abandon its old system and do here as they do elsewhere. Select for improved pavement our central thoroughfares first, and gradually extend it, the City paying the cost thereof. Of course this would not prevent property-holders on those streets which the general interests do not require should be first selected offering, as an inducement, to bear a portion of the expense if the City will aid them. Such offers are fair matters for your consideration.

In the Five Million Loan, one million was set apart for improved pavements. Of this there is about $850,000 left. I suggest that this amount be appropriated for repaving such streets as are most needed for the benefit of the general public. Thus far, in improving our pavements, we have in Baltimore, used the Belgian blocks, asphalt blocks and sheet asphalt. All have their

advantages and also their defects. For heavy travel, undoubtedly Belgian blocks are the best. In my judgment, no other pavement would stand the travel on such streets as Baltimore, Pratt, Lombard and others in the business parts of the City. On Eutaw Place, Broadway and streets with comparatively light travel, the asphalt block or sheet asphalt, with its noiseless, smooth surface, is certainly a luxury to drive over and enables one horse to do the work of two, in pulling weight, to say nothing of the great pleasure and facility for travel it offers to the wheelmen. And now a new pavement is being introduced in other cities—vitrified brick—twenty-eight miles of which have been laid in Philadelphia, a great deal put down in many western cities, while in Washington, already large orders have been given for putting down several miles of it. Letters have been received at this office by well known citizens and taxpayers, strongly urging its trial in Baltimore. In furtherance of my views on the subject of improved pavements, I have had estimates made showing the cost of the different styles of improved pavements on the following streets:

Broadway, from Canton avenue to Baltimore, sheet asphalt, except on grade between Lombard and Baltimore, with Belgian blocks	$ 88,000 00
Broadway, from Baltimore to North avenue, sheet asphalt, on heavy grades Belgian blocks	190,000 00
Amount carried forward	$278,000 00

Amount brought forward	$278,000 00
Lexington street, from Pearl to Fulton avenue, asphalt blocks	73,000 00
Lafayette avenue, Eutaw Place to Fulton avenue, asphalt blocks	86,500 00
Columbia avenue, Paca to Bush street, Belgian blocks	89,000 00
Pennsylvania avenue, Franklin to North avenue, Belgian blocks	124,000 00
Pratt street, from bridge to Eutaw, Belgian blocks	65,000 00
Light, from Pratt to Hill street, Belgian blocks	25,000 00
Baltimore street, from bridge to Eutaw street	29,000 00
Total	$ 769,000 00

The same streets paved with vitrified bricks, laid on edge, on rolled gravel and sand foundation, and grouted after laying, would cost $605,700.

The same streets paved with vitrified bricks, laid on edge, on concrete or Beton foundations, with sand cushion, and grouted after laying, would cost $802,100.

The following estimates are for paving Calvert street, from Madison street to Mount Royal avenue, with improved pavements, including all styles, Belgian blocks, asphalt blocks, vitrified brick and sheet asphalt:

From Madison to north side of Read, Belgian blocks	$ 6,500 00
From north side of Read to north side of Chase, asphalt blocks	13,000 00
From north side of Chase to north side of Preston, vitrified brick	4,000 00
From north side of Preston street to south side of Mt. Royal avenue, sheet asphalt	4,000 00
	$27,000 00

The streets which I suggest should first be selected for improved pavements are as follows: others will follow hereafter; we cannot do all; a selection must be made:

Broadway, from Canton avenue to Baltimore street.

Broadway, from Baltimore to Chase.

Lexington street, from Aisquith to Pearl.

Lexington, from Pearl to Fulton avenue.

Lafayette avenue, from Eutaw place to Fulton avenue.

Columbia avenue, from Paca street to Bush street.

Pennsylvania avenue, from Franklin street to North avenue.

Light street, from Pratt to Hill street.

Eutaw street, from Biddle to Dolphin.

Calvert street, from Madison to Mt. Royal avenue.

Columbia avenue, Pennsylvania avenue and Light street, I would have paved with Belgian blocks; also, Calvert street, from Madison to Read street. The other streets I would not decide upon the character of pavement until after a reliable report could be obtained upon the durability of vitrified brick for this purpose. I therefore suggest the appointment by the Mayor of two or more disinterested experts, to be paid for their services, and to go to those cities where such pavements have been laid, and make a report thereon to the Mayor and City Council. When such a report has been obtained, it will then be time to decide whether in selecting our smooth pavements, we should continue to use asphalt blocks and sheet asphalt, which thus far have been the only kind of smooth pavements put down by this Corporation, or should adopt, at least in part, as are many other cities, the vitrified brick pavement. As there can be little question about using Belgian blocks for the four streets I have named above, I suggest the immediate passage of the ordinances authorizing their repaving; this will enable the City Commissioner to advertise for the blocks and commence work thereon in the early spring.

It is also desirable to repave with Belgian blocks Baltimore street, from the bridge to Eutaw street, and Pratt street, from the bridge to Eutaw street.

It will be seen by these estimates that the selection of streets which I have made can all be done within the amount of the balance left in the Five Million Loan.

The Enabling Act submitted to the Legislature, and referred to in another part of the message, will, if it becomes a law, enable the City to largely increase its area of well paved streets. The City Commissioner's report gives the above estimates in full detail.

CONCLUSION.

I strongly urge the necessity for a low tax rate. To aid in this, make the levy as early as practicable, and no appropriations thereafter.

The requirement in the City Charter that the Mayor shall annually report the state of the City, and my desire to make some recommendations in connection with the municipal government, is the apology offered for the length of this message.

I am, with great respect,

Your obedient servant,

FERDINAND C. LATROBE,

Mayor.

ANNUAL REPORTS

OF THE

Register of the City

AND OF THE

COMMISSIONERS OF FINANCE

TO THE

Members of the First and Second Branches

OF THE

CITY COUNCIL OF BALTIMORE,

For the Fiscal Year Ending December 31, 1891.

REPORT

—— OF ——

JOHN A. ROBB,

REGISTER OF THE CITY.

Register's Report.

Office of the Register of the City,

Baltimore, January 2, 1892.

To the Honorable the Members of the
First and Second Branches of the City Council.

Gentlemen:

Your Register presents his "account of all moneys received and expended by him during the past year;" a "statement of the estimated receipts and payments required for the coming year;" also, tables showing the funded and guaranteed debt of the City as of December 31, 1891, the productive and interest-bearing securities of the City, the unproductive securities, and the monthly returns of the "Keepers of the Standards of Weights and Measures," the latter required by Ordinance No. 9, of 1881.

The total receipts into the Treasury of the City from all sources, during the fiscal year ending December 31, 1891, as exhibited in Tables D and E, and also the balance sheet of the ledger, were $10,273,398 79

Amount brought forward	$10,273,398 79
To which add cash balance, December 31, 1890	128,546 92
Making the amount of cash to be accounted for	$10,401,945 71
The gross disbursements as set forth in the same table and for the same period of time amounts to	9,943,678 70
Leaving a balance in the Treasury December 31, 1891, of	$ 458,267 01

applicable to the payment of interest on the public debt, due January 1, 1892, amounting to $232,118.61, and expenses for the current year.

The following usual statement of the actual receipts and expenses of the City Government, compiled from Table D, separates the income and expenses from those items which are merely receipts and disbursements:

RECEIPTS—INCOME FROM TAXES, INVESTMENTS, &C.

From City Collector, levy of 1891	$3,125,767 79	
" Collector, levies of previous years	1,443,147 13	$4,568,914 92
" Collector, levy of 1891 in Annex, 21st and 22d Wards	104,613 65	
Amounts carried forward	$104,613 65	$4,568,914 92

Am'ts brought forward..	$104,613 65	$4,568,914 92
From Collector, levy of 1889 in Annex, 21st and 22d Wards.....	6,981 00	
" Collector, levy of 1890 in Annex, 21st and 22d Wards.....	37,904 70	
		149,499 35
" fines, Jail, removed cases, &c....		12,217 10
" public schools, tuition fees and J. F. Plummer.....		3,515 35
" Bayview, Mt. Hope, Maryland Hospital, &c.....		6,755 61
" Health Department and streets...		6,916 80
" Fire Department.....		143 30
" Inspector of Buildings.....		7,287 04
" City Commissioner.....		5,350 57
" Inspector and Sealer of Gas Meters		2,305 60
" market houses, rent of stalls and halls.....		55,533 75
" wharfage and rent of wharves....		28,396 75
" banks, interest on deposits.....		9,258 07
" general licenses.....		46,437 10
" liquor licenses.....		384,012 17
" auction duties.....		8,719 60
" turnpike dividends.....		208 90
" conscience fund		83 12
" Chesapeake & Potomac Telephone Company		4,150 50
Amount carried forward.....		$5,299,705 60

Amount brought forward	$5,299,705 60
From sale of No. 19 School House	25,000 00
" sales of old materials for opening streets	22,253 50
" aggregate of sundry small items	2,077 91
	$5,349,037 01

RECEIPTS—NOT INCOME.

From State of Maryland for Public Schools	$185,154 98
" City Passenger Railway Companies for Park Board	174,916 64
" Park Board, sales of live stock, &c	4,278 34
" " " for parks and squares	42,170 00
" Water Board, to pay interest on water loans	504,630 00
" Commissioners of Finance, to pay interest on Western Maryland Railroad loans	80,820 00
" Park Board, to pay interest on park stock	8,000 00
" unclaimed damages for opening streets	576 63
" tax sales	6,249 98
" Water Board	918,489 69
" sales of water loan 1926	200,000 00
" temporary loans	950,000 00
" Commissioners of Finance, for condemnation of land in Druid Hill Park	59,844 98
Amount carried forward	$8,484,168 25

Amount brought forward	$8,484,168 25
From State tax on City loans collected for State of Maryland	6,731 50
" sales of internal improvement, 1928 loan	1,682,829 40
" City Collector, opening streets and alleys	99,463 49
" City Collector, paving streets and alleys	203 15
" City Collector, new numbers	3 00
Total receipts	$10,273,398 79

DISBURSEMENTS—EXPENSES OF CITY GOVERNMENT.

Interest on stock debt	$830,938 72
Expenses of the Law Courts	149,066 99
Registration of voters	27,065 23
Jail	55,300 15
Coroners	4,000 00
Public Schools, over amount paid by State of Maryland	676,768 09
City Poor	298,904 50
Harbor Commission	65,390 90
Police Department	787,996 58
Street Cleaning Department	266,311 39
Health Department	88,060 58
Fire Department	305,473 50
Inspector of Buildings	150,289 77
City Commissioner	209,010 63
Amount carried forward	$3,914,577 03

Amount brought forward	$3,914,577 03
Parks and squares, over amount paid by Park Board	1,883 39
Music in Parks	3,000 00
General Superintendent of Lamps	245,192 72
City Council, salaries of members and officers and expenses	62,860 33
General care of court house buildings	10,658 62
Harbor Masters, commissions for collecting wharfage	7,405 00
Salaries	74,889 59
Lamplighters' salaries	46,514 00
City Library	7,023 38
Discount on taxes and interest on loans from banks	103,590 27
Superintendent of City Hall	15,438 55
Mayoralty	1,969 41
Special appropriations	6,696 86
Ground rents on City property	10,048 46
Salaries and expenses of City Collector's office	53,290 66
Elections	16,670 33
Supervisors of Elections	9,255 76
Liquor License Commission	13,873 12
Maryland Institute	6,000 00
Water mains on Boston and Ostend sts.	7,500 00
General licenses	1,520 96
Refunded taxes	3,494 10
Amount carried forward	$4,623,352 54

Amount brought forward	$4,623,352 54
Sprinkling Mount Royal avenue and Calvert street	1,250 00
Enoch Pratt Free Library	50,000 00
Iceboat Annapolis	7,500 00
Drawings and specifications of court house and grounds	3,165 00
State tax on City loans	21,494 66
Purchase of lot at Mount Royal avenue, Hoffman and Cathedral streets	1,500 00
Insurance of Bayview Asylum and High Schools	6,520 00
Purchase of lot for Colored School No. 3	6,642 26
Purchase of lot for new fire engine house (South Baltimore)	2,178 60
Widening Lexington street, northwest corner of Charles street	37,500 00
Purchase of lot for Public School No. 25	15,312 50
New City Code	2,000 00
General expense	1,051 90
Expenses of markets and market halls	4,856 61
Aggregate of sundry items	8,463 09
City's proportion for opening and widening streets	146,378 39
Expenditures in 21st and 22d Wards	252,849 05
General sinking fund	97,801 37
Water 1926 loan sinking fund	23,291 33
Internal Improvement 1928 loan sinking fund	62,411 86
Total expenses	$5,375,519 16

Amount brought forward	$5,375,519 16

DISBURSEMENTS—NOT EXPENSES.

Improvement of Jones' Falls	$ 75 00
Improvement of Harford Run	462 01
Park Board	218,965 04
Park Board, interest on Patterson Park loan	8,000 00
Commissioners of Finance, interest on Western Maryland 1902 loan and 3d mortgage registered bonds	80,820 00
Water Board, interest on water loans	504,630 00
Unclaimed damages for opening streets	532 25
Tax sales	8,297 61
Water Board	993,584 80
Water loan of 1926	200,000 00
Temporary loans	950,000 00
Condemnation of land in Druid Hill Park	59,394 98
State tax on City loans	6,731 50
Opening and widening streets	142,167 12
Internal Improvement 1928 loan, sewers, &c	1,167,174 25
State of Maryland, for Public Schools	185,154 98
Parks and Squares, from Park Board	42,170 00
Total disbursements	$9,943,678 70

ESTIMATES FOR THE CURRENT YEAR.

In Table B are stated the estimated requirements for the current year in detail, for the twenty wards of the City, amounting to	$5,310,737 67
And for the 21st and 22d Wards	195,402 92
Total	$5,506,140 59
From this amount deduct the estimated receipts from taxes in arrear and other sources, as detailed in Statement C	$2,150,543 00
Leaving the amount to be levied for	$3,355,597 59

This amount is in excess of the estimates issued from this office for the last year, 1891, $492,102.00.

FUNDED AND GUARANTEED DEBT.

The total funded and guaranteed debt of the City, December 31st, 1890, was $31,083,787.06; on December 31st, 1891, it is $32,776,050.95, an increase of $1,692,263.89, and is thus accounted for: $200,000 of the 4 per cent. Water Stock authorized by Ordinance No. 82, of 1888, was issued to the Commissioners of Finance for the sinking funds, at par, and $1,669,300 of Internal Improvement 3½ per cent. loan, authorized by Ordinance No. 98, of 1888, was issued and sold at a premium of $13,529.40. The redemption of over-due City Stock during the year was:

Water, 1875, 6 per cent. loan	$ 200 00	
Consolidated 5 per cent. 1885 loan	1,844 38	
One Million 6 per cent. loan, 1886	1,100 00	
Consolidated 1890 6 per cent. loan	122,405 49	
Five Million 1890 6 per cent. loan	23,486 24	
Public Park 1890 6 per cent. loan	28,000 00	
		$177,036 11

I respectfully refer you to the report of the Commissioners of Finance for the condition of the various sinking funds under their charge and belonging to the City, and also to the accompanying tables.

Table A is a statement of the public debt of the City.

Table B is an estimate of requirements for the current fiscal year.

Table C is an estimate of receipts for the current fiscal year.

Table D is a detailed statement of the receipts and disbursements and showing the appropriations for the various accounts.

Table E shows the aggregate monthly receipts and disbursements.

Table F shows the monthly returns from the "Keepers of the Standards of Weights and Measures."

Respectfully submitted,

JOHN A. ROBB,

Register of the City.

STATEMENT A.

Statement of Funded Debt, December 31, 1891.

Loan.	Rate.	When Redeemable.	Amount.
Exempt	6 per ct.	At pleasure after Sept. 1, 1893.	$410,353 87
Water	6 "	" " July 1, 1894.	263,000 00
"	5 "	" " July 1, 1894.	3,737,000 00
"	5 "	" " July 1, 1916.	5,000,000 00
"	4 "	" " Nov. 1, 1922.	500,000 00
"	4 "	" " Nov. 1, 1926.	1,000,000 00
Funding	6 "	" " July 1, 1900.	800,000 00
"	5 "	" " July 1, 1916.	1,000,000 00
Harford Run	4 "	" " Jan. 1, 1920.	250,000 00
Paving	4 "	" " Nov. 1, 1920.	500,000 00
Consolidated	3½ "	" " July 1, 1930.	5,000,000 00
"	6 "	September 1, 1893	2,211,068 05
Park Improvement	6 "	January 1, 1895	185,723, 80
Jones' Falls	6 "	April 9, 1900	800,000 00
"	5 "	" 9, 1900	957,000 00
"	3 65/100 "	" 9, 1900	455,000 00
"	3½ "	" 9, 1900	160,000 00
"	3 "	" 9, 1900	100,000 00
City Hall	6 "	" 15, 1900	1,000,000 00
"	6 "	March 7, 1902	500,000 00
W. Md. Railroad	6 "	January 1, 1902	1,000,000 00
" "	4 "	July 1, 1925	684,000 00
" "	3½ "	January 1, 1927	1,704,000 00
Internal Imp'mnt	3½ "	July 1, 1928	2,969,300 00
Harford Run	4 "	November 3, 1904	350,000 00
Patterson Park	4 "	October 1, 1920	200,000 00
Overdue Stock	6 "	No interest allowed	482 00
Water, 1875	6 "	" "	540 00
One Million, 1886	6 "	" "	630 50
Consolidated, 1890	6 "	" "	32,378 08
Five Million, 1890	6 "	" "	12,074 65
Public Park, 1890	6 "	" "	1,500 00
Total funded debt			$31,784,050 95

Guaranteed Debt:

W. Md. R. R. 3d Mortgage Bonds	$875,000 00	
Union R. R. Co. 1st Mortgage bonds	117,000 00	
		992,000 00
Total funded and guaranteed debt		$32,776,050 95

Amount brought forward.....		$32,776,050 95
From which deduct—		
Water Loans of 1894, 1916, 1922, and 1926, the interest on which is paid by revenue from water rents.....	$10,500,000 00	
Patterson Park Extension Loan, on which interest is paid by Park Board.....	200,000 00	
Union Railroad Company on.....	117,000 00	
Commissioners of Finance, on Western Maryland R. R. 1902 Loan and Western Maryland R. R. 3d Mortgage Bonds.....	1,875,000 00	
Overdue Stock, no interest allowed.....	47,605 23	
		$12,739,605 23
Leaving the amount on which interest is paid by taxation at.....		$20,036,445 72

Viz:	$5,907,145 72	interest, at	6 per cent.
	1,957,000 00	" "	5 "
	1,784,000 00	" "	4 "
	455,000 00	" "	$3\frac{65}{100}$ "
	8,129,300 00	" "	$3\frac{1}{2}$ "
	1,704,000 00	" "	$3\frac{1}{4}$ "
	100,000 00	" "	3 "
	$20,036,445 72		

ASSETS OF THE CITY.

Productive.

Mortgage on Union Railroad Company...	$ 117,000 00	
Value of sinking fund.....	7,476,126 31	
550 shares Baltimore and Reisterstown Turnpike Stock.....	2,062 50	
137 shares Baltimore and Frederick Turnpike Stock.....	456 66	
625 shares Baltimore and Yorktown Turnpike Stock	5,000 00	
Real estate, annual rental.....	$10,225 11	
Wharf property, annual rental.	38,000 00	
Market houses, annual rental....	50,000 00	
	$98,225 11	
Capitalized at 6 per cent.....	1,637,085 16	
		$9,237,730 63

Unproductive.

Accrued interest to January 1, 1887, on Western Maryland Railroad 2d Mortgage Guaranteed Bonds		$ 333,000 00	
Interest on Western Maryland R. R. 1925 Loan from July 1, 1889		68,400 00	
Mortgage on Western Maryland R. R. Co	$1,704,000 00		
Interest thereon from July 1, 1889	138,450 00		
		1,842,450 00	
Third Mortgage on Western Maryland Railroad Company	$ 875,000 00		
Accrued interest to date	1,102,500 00		
		1,977,500 00	
Fourth Mortgage on Western Maryland Railroad Company	$1,000,000 00		
Accrued interest to date	1,170,000 00		
		2,170,000 00	
10,000 shares Valley Railroad of Virginia Stock		1,000,000 00	
83,000 Philadelphia and Reading Railroad 3d Mortgage Preference Income Bonds		83,000 00	
4,000 shares Western Maryland Railroad Stock		200,000 00	
135 shares Baltimore and Havre de Grace Turnpike Stock			
Besides other property, such as—			
Court Houses, Record Office, City Hall, Jail, Police Stations, Fire Engine Houses and apparatus, School Houses, Almshouse, Iceboats, Quarantine Station, Public Parks, Squares, &c., valued at		10,000,000 00	
			$17,674,350 00

STATEMENT B.

The following statement exhibits the present liabilities and the estimated expenses of the City to be provided for in the levy for the year 1892.

EXISTING CLAIMS.

Balance due on Jones' falls improvement account....		$ 670 75	
Balance due on Harford run improvement account....		29,973 65	
Balance due on Water Board account.....		9,720 77	
Balance due on Park Board account		13,494 59	
Balance due on internal improvement 1928 loan.....		494,858 76	
		$548,718 52	
Cash balance in banks, Dec. 31, 1891.....$	458,267 01		
Amount due from Chesapeake and Potomac Telephone Company	2,317 90		
Amount due from Liquor Licenses.....	5,197 64		
		465,782 55	
			$82,935 97

Amount brought forward.....		$82,935 97
Taxes due and uncollected for 1891 and previous years.....	$1,635,881 44	
Taxes due in 21st and 22d Wards, and uncollected for 1891 and previous years.....	149,499 35	

Estimated Requirements for the Fiscal Year ending December 31, 1892.

DEPARTMENT INSPECTOR OF BUILDINGS.

Repairs of engine houses...	$ 8,000 00	
" City Jail.....	3,000 00	
" City Hall	5,000 00	
" market houses..	5,000 00	
" court houses....	4,000 00	
" dog pound and other property	1,000 00	
" public school houses.....	12,000 00	
Painting public school houses	6,000 00	
Amounts carried forward..	$44,000 00	$82,935 97

Am'ts brought forward..	$44,000 00	$82,935 97
Sanitary and other improvements, school houses....	9,000 00	
Substituting wood or iron for plaster ceilings in public school houses.....	4,000 00	
Emptying cess-pools.....	1,200 00	
Incidentals.....	100 00	
Livery for two horses and repairs to wagons.....	600 00	
Salaries.....	5,500 00	
Extra help.....	1,000 00	
Erecting new partitions and storm doors in school houses.....	800 00	
Partitions in Female Grammar No. 10 School House.	250 00	
Completion of No. 25 School House.....	11,362 49	
Completion of No. 19 School House.....	21,065 00	
Completion of Male and Female Grammar School.	21,000 00	
Completion of Grammar School House, No. 18....	25,000 00	
Completion of English and German School House, No. 1.....	25,000 00	
Amounts carried forward..	$169,877 49	$82,935 97

Am'ts brought forward..	$169,877 49	$82,935 97
Additional story to English and German School House, No. 1.....	5,000 00	
Completion of Colored School, No. 3.....	25,000 00	
		199,877 49

ENOCH PRATT FREE LIBRARY.

Required by Ordinance 64, of 1883.....		50,000 00

DEPARTMENT OF STREET CLEANING.

138 garbage carts at $18 per week.....	$129,168 00	
58 street carts at $18 per week.....	54,288 00	
130 sweepers and scrapers at $10 per week.....	67,600 00	
Contract for removal of garbage.....	9,500 00	
Salaries.....	9,000 00	
Dumps.....	4,500 00	
Tools and incidentals.....	2,000 00	
		276,056 00

DEPARTMENT OF HEALTH.

Salaries.....	36,200 00	
General Health.....	15,000 00	
Amounts carried forward..	$51,200 00	$608,869 46

Am'ts brought forward..	$51,200 00	$608,869 46
Nuisances and sewers.....	15,000 00	
Quarantine hospital.....	18,000 00	
Post mortems.....	1,500 00	
Removing filth from docks..	4,000 00	
Removal of canning house refuse.....	5,000 00	
		94,700 00

DEPARTMENT GENERAL SUPERINTENDENT OF LAMPS.

Electric arc lights, 962 at 35 cts. per night.....	$123,232 20	
Electric arc lights, additional 100 at 35 cts. per night for 9 months.....	11,660 00	
Incandescent lamps, 48....	552 00	
4703 gas lamps burning 4000 hours each 94,060,000 cubic feet, at $1.25 per thousand.....	117,575 00	
Gas for markets, 5,450,000 cubic feet, at $1.25 per thousand.....	6,812 50	
Gas for squares and bridges, 2,000,000 cubic feet, at $1.25 per thousand.....	2,500 00	
Gas for Washington Monument, 125,000 cubic feet, at $1.25 per thousand....	156 25	
Amounts carried forward..	$262,487 95	$703,569 46

Am'ts brought forward..	$262,487 95	$703,569 46
200 new gas lamps, average consumption 3,000 hours each 3,000,000 cubit feet, at $1.25 per thousand...	3,750 00	
Erecting 200 new gas lamps at $7.50 each	1,500 00	
Repairs to service, straightening posts, etc.....	975 00	
Repairs to stops, burners, and new tops.....	1,500 00	
New burners, tips, repairs of meters and apparatus, advertising, etc.....	500 00	
Deficiency for 1891, Gas Company's bill.....	1,500 03	
Lamp pillars and lamps, livery and incidentials...	15,400 00	
		287,612 98

POLICE DEPARTMENT.

Salaries of officers and men and expenses.....		785,000 00

DEPARTMENT CITY COMMISSIONER.

Repairs of sewers and inlets	$10,000 00	
" bridges	6,000 00	
" paved streets...	85,000 00	
" unpaved streets.	2,000 00	
Amounts carried forward..	$103,000 00	$1,776,182 44

Am'ts brought forward..	$103,000 00	$1,776,182 44
Paving and repaving in front of City property...	1,500 00	
Paving and repaving cross streets.....	10,000 00	
Salaries.....	9,000 00	
Livery.....	800 00	
Incidentals.....	100 00	
Light Street bridge	6,000 00	
Flag and stepping stones...	5,000 00	
Maintenance of floor of Biddle Street bridge..	129 84	
		135,529 84

DEPARTMENT PUBLIC SCHOOLS.

Salaries of teachers, &c.	$718,500 00	
Rents and ground rents ...	38,000 00	
Books and stationery.....	47,500 00	
Heating apparatus and its repairs.....	11,000 00	
Furniture	25,500 00	
Fuel.....	26,000 00	
Repairs and cleaning.....	10,000 00	
Incidentals, printing, &c...	11,000 00	
Manual Training School. ..	26,000 00	
		913,500 00

HARBOR BOARD.

Harbor, channels and docks	$50,000 00	
Widening mouth of harbor.	25,000 00	
Amounts carried forward..	$75,000 00	$2,825,212 28

Am'ts brought forward..	$75,000 00	$2,825,212 28
Operation aud maintenance of iceboat.....	15,000 00	
Repairs to wharves.....	5,000 00	
Removal of ashes, unexpended balance.....	1,476 23	
New boiler and repairs to tug.....	6,000 00	
		102,476 23

FIRE DEPARTMENT.

Salaries.....	$211,783 39	
Apparatus.....	7,300 00	
" repairs.....	8,500 00	
Accidents.....	1,000 00	
Feed	11,000 00	
Fuel.....	2,600 00	
Furniture	1,800 00	
Harness.....	1,500 00	
Horse shoeing	1,800 00	
Hose and suction tubes....	9,000 00	
Horses.....	5,000 00	
Gas.....	1,600 00	
Oils, paints, &c.	2,000 00	
Office expenses, printing report and messenger's salary	1,200 00	
Rent of telephone.....	691 79	
Miscellaneous.....	1,500 00	
Amounts carried forward..	$268,275 18	$2,927,688 51

Am'ts brought forward..	$268,275 18	$2,927,688 51
Washing.....	2,000 00	
Insurance of members.....	1,633 50	
Pensions for firemen	6,000 00	
Sick	900 00	
Police and Fire Alarm Telegraph.....	21,875 00	
Deficiency for No. 16 Engine Co., fire-boat "Cataract".	8,252 48	
		308,936 16

CERTAIN EXPENSES.

Criminal Court	$68,000 00	
Baltimore City Court.....	15,000 00	
Court of Common Pleas....	14,000 00	
Superior Court.....	13,000 00	
Orphans' Court.....	8,000 00	
Circuit Court	2,800 00	
Circuit Court No. 2.	2,500 00	
Supreme Bench.	3,025 00	
Coroners.....	4,000 00	
Judgments and suits.....	3,000 00	
Jail	55,000 00	
Registration.....	35,000 00	
Magistrates.....	18,000 00	
Removed cases	5,000 00	
		246,325 00
Amount carried forward.....		$3,482,949 67

Amount brought forward.....		$3,482,949 67
INTEREST ON STOCK DEBT.		
One year's interest on exempt 6 per cent. 1893 stock	$24,621 24	
One year's interest on water 6 per cent. 1894 stock,	15,780 00	
One year's interest on water 5 per cent. 1894 stock,	186,850 00	
One year's interest on water 5 per cent. 1916 stock,	250,000 00	
One year's interest on water 4 per cent. 1922 stock,	20,000 00	
One year's interest on water 4 per cent. 1926 stock,	40,000 00	
One year's interest on funding 6 per cent. 1900 stock.....	48,000 00	
One year's interest on funding 5 per cent. 1916 stock.....	50,000 00	
One year's interest on Harford Run 4 per cent. 1920 stock.....	10,000 00	
One year's interest on paving 4 per cent. 1920 stock,	20,000 00	
Amounts carried forward.	$665,251 24	$3,482,949 67

Am'ts brought forward.	$665,251 24	$3,482,949 67
One year's interest on consolidated 3½ per cent. 1930 stock.....	175,000 00	
One year's interest on consolidated 6 per cent. 1893 stock.....	132,664 08	
One year's interest on Park improvement 6 per cent. 1895 stock.....	11,143 42	
One year's interest on Jones' Falls 6 per cent. 1900 stock.....	48,000 00	
One year's interest on Jones' Falls 5 per cent. 1900 stock.....	47,850 00	
One year's interest on Jones' Falls 3$\frac{65}{100}$ per cent. 1900 stock.....	16,607 50	
One year's interest on Jones' Falls 3½ per cent. 1900 stock.....	5,600 00	
One year's interest on Jones' Falls 3 per cent. 1900 stock.....	3,000 00	
One year's interest on City Hall 6 per cent. 1900 stock.....	60,000 00	
Amounts carried forward.	$1,165,116 24	$3,482,949 67

Am'ts brought forward.	$1,165,116 24	$3,482,949 67
One year's interest on City Hall 6 per cent. 1902 stock	30,000 00	
One year's interest on Western Maryland Railroad 6 per cent. 1902 stock	60,000 00	
One year's interest on Western Maryland Railroad 4 per cent. 1925 stock	27,360 00	
One year's interest on Western Maryland Railroad 3¼ per cent. 1927 stock	55,380 00	
One year's interest on internal improvement 3½ per cent. 1928 stock	135,425 00	
One year's interest on Harford Run 4 per cent. 1904 stock	14,000 00	
One year's interest on Patterson Park 4 per cent. 1920 stock	8,000 00	
One year's interest on Western Maryland third mortgage 6 per cent. stock	52,500 00	
Amounts carried forward.	$1,547,781 24	$3,482,949 67

Am'ts brought forward..		$1,547,781 24	$3,482,949 67
Less:			
Interest paid by Commissioners of Finance	$112,500 00		
Interest paid by Water Board	512,630 00		
Interest paid by Park Board..	8,000 00		
		$633,130 00	
			$914,651 24
CITY POOR.			
Maintenance of Bayview and Insane Departments.....		$95,000 00	
Transportation of poor		1,000 00	
St. Mary's Industrial School		20,000 00	
Mount Hope Retreat.....		46,000 00	
Maryland Hospital for the Insane.....		28,000 00	
House of Refuge.....		20,000 00	
House of Reformation.		12,000 00	
College of Physicians and Surgeons, 75 beds.		12,675 00	
University of Maryland, 50 beds.....		8,450 00	
St. Vincent's Infant Asylum		5,000 00	
Nursery and Child's Hospital.....		3,500 00	
Amounts carried forward...		$251,625 00	$4,397,600 91

Amounts brought forward..	$251,625 00	$4,397,600 91
St. Elizabeth's Colored Orphan Asylum.....	3,000 00	
Home of the Friendless....	2,100 00	
Industrial Home for Colored Girls	2,000 00	
Female House of Refuge...	4,000 00	
Hospital of the Good Samaritan, 10 beds.....	1,690 00	
Deaf and Dumb at Frederick	500 00	
Boys' Home Society.....	3,000 00	
Shelter for the Aged Colored Poor.....	500 00	
St. Mary's Female Orphan Asylum.....	7,300 00	
St. Mary's Home for Colored Children.....	500 00	
Baltimore University Hospital, 30 beds.....	5,070 00	
Maryland General Hospital, 45 beds.....	7,605 00	
St. Joseph's House of Industry.....	1,000 00	
St. Joseph's Hospital, 20 beds.....	3,380 00	
Homeopathic Free Dispensary.....	700 00	
Northeastern Free Dispensary.....	900 00	
Am'ts carried forward..	$294,870 00	$4,397,600 91

Am'ts brought forward..	$294,870 00	$4,397,600 91
Eastern Free Dispensary...	1,000 00	
Baltimore General Dispensary.....	600 00	
Baltimore Medical College Free Dispensary.....	1,000 00	
Northwestern Free Dispensary	400 00	
College of Physicians and Surgeons Free Dispensary	1,000 00	
Woman and Child's Free Dispensary.....	500 00	
Baltimore University Free Dispensary.....	1,000 00	
University of Maryland Free Dispensary.....	1,000 00	
Baltimore College of Dental Surgery Free Dispensary.	500 00	
Southern Dispensary.....	1,000 00	
Baltimore Eye, Ear and Throat Free Dispensary..	500 00	
Maryland Homeopathic Free Dispensary.....	500 00	
Maryland Homeopathic Hospital, 10 beds.....	1,690 00	
St. Agnes Hospital, 10 beds.	1,690 00	
Maryland University, balance due from 1891.....	449 86	
		307,699 86
Amount carried forward.....		$4,705,300 77

Amount brought forward.....		$4,705,300 77

GENERAL EXPENDITURES.

City Council.....	$63,000 00	
General expense.....	1,500 00	
City and Circuit Court building.....	4,247 50	
Clayton building, Circuit Court No. 2.....	963 00	
Court House and Record Office and grounds.....	6,194 00	
Salaries.....	75,069 50	
City Library.....	7,800 00	
Public Printing.....	3,500 00	
Interest and discount on taxes.....	75,000 00	
Superintendent of City Hall.	17,190 00	
Mayoralty.....	2,500 00	
Lamplighters.....	46,514 00	
Transportation to House of Correction.....	400 00	
City Property, ground rents, &c.....	11,452 71	
Appeal Tax Court.....	400 00	
City Collector.....	56,800 00	
Commmissioners for Opening Streets.....	200 00	
Elections	16,700 00	
Dog Pound.....	1,500 00	
Amounts carried forward..	$390,930 71	$4,705,300 77

Am'ts brought forward..	$390,930 71	$4,705,300 77
Supervisors of Elections....	11,050 00	
Liquor License Commission.	14,000 00	
Maryland Institute.....	6,000 00	
Inspector of Gas and Oils, livery	360 00	
Winding Maryland Institute clock.....	75 00	
Ringing Mechanics' bells..	200 00	
General licenses.....	2 000 00	
Sprinkling Mt. Royal ave. and Calvert street.....	1,250 00	
Balance due on New City Code	2,800 00	
Fire plugs at Carroll, Resolution 32, 1889.....	250 00	
Iceboat "Annapolis".....	10,000 00	
Assistance to Examiner of Titles	1,000 00	
State tax on City loans....	30,000 00	
Rent of Circuit Court No. 2,	900 00	
Purchase of lot for Colored School House No. 3, Ordinance 27, 1891.....	2,000 00	
		$472,815 71

OPENING AND WIDENING STREETS.

Cooksie street, from Clement to Cuba street	$ 288 24	
Chew street, from Wolfe to Chester street.....	8,313 59	
Amounts carried forward..	$8,601 83	$5,178,116 48

Am'ts brought forward..	$8,601 83	$5,178,116 48
Federal street, from Aisquith street to Eden street	23,419 69	
Hollins street, from old City limits to Catharine street,	38,894 85	
Hollins street, from Calverton road to the western line of old City limits...	554 35	
Penn street, from Haw to Fremont street.....	35,901 92	
Pinkney street, from Cross to Stockholm street.....	4,607 70	
Brevard street, from Biddle to Preston street.....	8,816 33	
Patapsco street, from Fort avenue to Ostend street, balance	715 14	
Race street, from Cross to Fort avenue, balance....	946 60	
Burke street, from Baltimore to Monument street, balance	3,740 33	
Patapsco alley, from Ostend to West street, balance	1,869 75	
Castle alley, from Monument to Eager street, balance	1,625 83	
Amounts carried forward..	$129,694 32	$5,178,116 48

Am'ts brought forward..	$129,694 32	$5,178,116 48
Closing Belvidere road, balance	1,096 15	
Clare street, from Washington avenue to and across B. & O. R. R.	1,830 72	
		132,621 19

CITY ANNEX—Comprising the 21st and 22d Wards.

Health salaries	$ 3,800 00	
Nuisances and sewers	2,500 00	
Street cleaning, 12 garbage carts at $18 per week	11,232 00	
Street cleaning, 3 street carts at $18 per week	2,808 00	
Street cleaning, 6 sweepers and scrapers at $10 per week	3,120 00	
Street cleaning, salary of superintendent	1,000 00	
Street cleaning, tools, etc..	60 00	
Salaries of school teachers.	84,000 00	
Sundry expenses of schools.	21,000 00	
Repairs of City propery...	8,000 00	
Completion of School House, No. 11	11,720 92	
Completion of School House, No. 1, Carroll	12,000 00	
Gas and electric lights....	15,727 90	
Amounts carried forward..	$176,968 82	$5,310,737 67

Am'ts brought forward..	$176,968 82	$5,310,737 67
Deficiency for 1891.....	1,422 45	
Lamplighters' salaries.....	10,600 00	
Lamp pillars and lamps...	6,832 70	
Livery of horse for superintendent	300 00	
Fire Department, salaries..	21,700 00	
Fire Department, apparatus repairs.....	1,200 00	
Fire Department, accident.	100 00	
Fire Department, feed.....	2,500 00	
Fire Department, fuel.....	400 00	
Fire Department, furniture.	300 00	
Fire Department harness..	300 00	
Fire Department, horse shoeing	350 00	
Fire Department, hose.....	300 00	
Fire Department, horses...	2,000 00	
Fire Department, rent.....	848 50	
Fire Department, gas.....	250 00	
Fire Department, oils, paints, &c.....	400 00	
Fire Department, rent of telephones.....	120 00	
Fire Department, miscellaneous	250 00	
Fire Department, office expenses.....	300 00	
Fire Department, washing.	175 00	
Amounts carried forward..	$227,617 47	$5,310,737 67

Am'ts brought forward..	$227,617 47	$5,310,737 67
Fire Department, insurance of members.....	153 45	
Fire Department, sick....	200 00	
Fire Department, Police & Fire-Alarm Telegraph...	1,000 00	
City Commissioner, repairs of streets, roads & bridges.	15,000 00	
City Commissioner, salaries and livery.....	2,432 00	
	$246,402 92	
Less estimated collection of taxes in arrear.....	51,000 00	
		195,402 92
		$5,506,140 59

STATEMENT C.

Estimated Receipts from Taxes in Arrear, and other specified sources of Revenue, for the fiscal year ending December 31, 1892.

Estimated collection of Taxes in arrear during the year	$1,400,000 00
State of Maryland for public schools	185,000 00
Fines	3,400 00
Baltimore City Jail	7,000 00
Public Schools, tuition fees and J. F. Plummer	3,500 00
Bay View Asylum	2,900 00
Mount Hope Retreat	2,500 00
Maryland Hospital for Insane	1,200 00
Sale of refuse from streets	900 00
Quarantine Hospital	5,900 00
Permits for sheds, signs, &c	7,200 00
Vaults and areas	1,200 00
City Commissioner, sale of old material.	3,700 00
General Superintendent of Lamps	2,200 00
Rent of market stalls and hall—net	50,000 00
Rent of public wharves—net	21,000 00
Interest on deposits	9,000 00
Dog pound	400 00
General license	46,000 00
Liquor licenses	384,000 00
Auction duties	8,700 00
Turnpike dividends	208 00
Chesapeake and Potomac Telephone Co.	4,635 00
	$2,150,543 00

STATEMENT D.

NAMES OF ACCOUNTS.	Face of Ledger. Dr.	Face of Ledger. Cr.	Appropriations.	Received from Collector of Taxes.	Received from other sources.
Criminal Court	$68,252 76	$62,000 00	$62,000 00	.....	.....
Baltimore City Court	12,583 00	12,000 00	12,000 00	.....	.....
Court of Common Pleas	13,754 05	13,000 00	13,000 00	.....	.....
Superior Court	12,964 05	13,000 00	13,000 00	.....	.....
Orphans' Court	7,942 93	7,500 00	7,500 00	.....	.....
Circuit Court	2,753 80	2,900 00	2,900 00	.....	.....
Circuit Court, No. 2	2,425 00	2,500 00	2,500 00	.....	.....
Supreme Bench	3,025 00	3,075 00	3,075 00	.....	.....
Coroners	4,000 00	4,000 00	4,000 00	.....	.....
Fines	683 00	3,482 44	.....	.....	$3,482 44
Judgments and suits	3,066 70	3,056 80	3,000 00	.....	56 80
Jail	55,300 15	62,409 82	55,000 00	.....	7,409 82
Registration	27,065 23	42,740 16	42,740 16	.....	.....
Magistrates	16,761 85	18,500 00	18,500 00	.....	.....
Removed cases	4,854 85	9,268 04	8,000 00	.....	1,268 04
Certain expenses	.....	239,168 24	.....	239,168 24	.....
Schools.					
Public Schools	152,926 68	985,717 97	152,975 00	644,072 64	188,670 33
Public Schools, salaries	684,013 36	684,025 00	684,025 00	.....	.....
Manual Training School	24,983 03	25,000 00	25,000 00	.....	.....
City poor	.....	269,345 67	.....	269,345 67	.....
Bayview	95,073 09	98,124 36	95,200 00	.....	2,924 36
New building for the insane at Bayview	7,156 85	7,156 85	7,156 85	.....	.....

Equipment of new insane building at Bayview	9,899 67	9,900 00	9,900 00	.....	.....
Transportation of poor	626 38	1,531 25	1,500 00	.....	31 25
Dispensaries	10,600 00	11,300 00	11,300 00	.....	.....
St. Mary's Industrial School	20,000 00	20,000 00	20,000 00	.....	.....
Mt. Hope Retreat	31,000 10	32,540 00	30,000 00	.....	2,540 00
Maryland Hospital for the Insane	20,000 00	21,260 00	20,000 00	.....	1,260 00
House of Refuge	19,991 89	20,000 00	20,000 00	.....	.....
Manual Training School at House of Refuge	5,000 00	5,000 00	5,000 00	.....	.....
House of Reformation	10,000 00	10,000 00	10,000 00	.....	.....
St. Agnes Hospital	138 35	.....	.....	.....	.....
Washington University	12,675 00	12,675 00	12,675 00	.....	.....
University of Maryland	6,760 00	6,760 00	6,760 00	.....	.....
St. Vincent's Infant Asylum	5,000 00	5,000 00	5,000 00	.....	.....
Nursery and Child's Hospital	3,500 00	3,500 00	3,500 00	.....	.....
St. Elizabeth's Colored Orphan Asylum	2,499 98	3,000 00	3,000 00	.....	.....
Home of the Friendless	2,100 00	2,100 00	2,100 00	.....	.....
Industrial Home for Colored Girls	2,500 00	2,500 00	2,500 00	.....	.....
Female House of Refuge	4,000 00	4,000 00	4,000 00	.....	.....
Maryland Homeopathic Free Dispensary Hospital	831 51	.....	.....	.....	.....
Hospital of the Good Samaritan	1,388 19	1,690 00	1,690 00	.....	.....
Deaf and Dumb at Frederick	497 35	500 00	500 00	.....	.....
Shelter for the Aged Colored Poor	999 98	500 00	500 00	.....	.....
Boys' Home Society	3,800 00	3,800 00	3,800 00	.....	.....
St. Mary's Home for Colored Children	500 00	500 00	500 00	.....	.....
St. Mary's Female Orphan Asylum	6,334 65	7,288 00	7,288 00	.....	.....
Baltimore University Hospital	4,860 95	5,070 00	5,070 00	.....	.....
Maryland General Hospital	7,545 09	7,605 00	7,605 00	.....	.....
St. Joseph's House of Industry	1,000 00	1,000 00	1,000 00	.....	.....
St. Joseph's Hospital	2,625 47	1,690 00	1,690 00	.....	.....
Amounts carried forward	$1,396,259 94	$2,768,679 60	$1,408,450 01	$1,152,586 55	$207,643 04

STATEMENT D—Continued.

NAMES OF ACCOUNTS.	FACE OF LEDGER. Dr.	FACE OF LEDGER. Cr.	Appropriations.	Received from Collector of Taxes.	Received from other sources.
Amounts brought forward	$1,396,259 94	$2,768,679 60	$1,408,450 01	$1,152,586 55	$207,643 04
Harbor Commission	49,885 37	50,000 00	50,000 00	.....	.....
Removal of Cross Street wharf	152 12	250 00	250 00	.....	.....
Printing Harbor Laws	95 60	150 00	150 00	.....	.....
Ice-boat F. C. Latrobe	7,646 09	10,000 00	10,000 00	.....	.....
Repairs of wharves	2,972 32	3,000 00	3,000 00	.....	.....
Removal of ashes from tow-boats	3,523 77	5,000 00	5,000 00	.....	.....
Dredging Spring Gardens	1,115 63	1,115 63	1,115 63	.....	.....
Police Department	787,996 58	1,553,804 68	788,000 00	765,804 68	.....
Street Cleaning Department.					
Cleaning streets	266,311 39	269,474 76	268,562 00	.....	912 76
Health Department.					
Health	12,026 50	12,026 50	12,000 00	.....	26 50
Health salaries	35,288 66	35,600 00	35,600 00	.....	.....
Quarantine Hospital	17,871 13	23,977 54	18,000 00	.....	5,977 54
Nuisances	11,978 13	12,000 00	12,000 00	.....	.....
Removing filth from docks	3,898 31	4,000 00	4,000 00	.....	.....
Removal of refuse from packing houses	5,000 00	5,000 00	5,000 00	.....	.....
Post mortems	1,500 00	1,500 00	1,500 00	.....	.....
Furnishing the Morgue	497 85	500 00	500 00	.....	.....

Fire Department.					
Salaries and incidentals	281,060 71	281,204 01	281,060 71		143 30
Indicators at engine houses	1,250 00	1,250 00	1,250 00		
Fire alarm boxes—various places	2,708 25	2,750 00	2,750 00		
Fire boat for harbor	17,425 36	17,425 36	17,425 36		
Keyless doors on fire alarm boxes	1,750 00	1,750 00	1,750 00		
Superintendent of Construction of fire and patrol boat	1,279 18	1,279 18	1,279 18		
Inspector of Buildings.					
Salaries and incidentals	7,200 00	7,200 00	7,200 00		
Painting Northeast Market	499 80	500 00	500 00		
Painting Lexington Market	1,699 31	1,700 00	1,700 00		
Paving Richmond Market	132 30	300 00	300 00		
Repairing walls of Record Office	6,450 00	6,450 00	6,450 00		
Painting school houses	4,000 00	4,000 00	4,000 00		
Sanitary improvements	3,000 00	3,000 00	3,000 00		
Permits for sheds, signs, &c.	977 84	7,287 04			7,287 04
Repairs of schools	9,000 00	9,000 00	9,000 00		
Repairs of City property	20,000 00	20,000 00	20,000 00		
Cleaning cesspools	1,110 87	1,200 00	1,200 00		
Repairing 5th Regiment Armory	4,999 85	5,000 00	5,000 00		
Building sheds for Harbor Masters	2,709 70	2,800 00	2,800 00		
Building shed for fire boat	2,470 83	2,500 00	2,500 00		
Building addition to No. 7 School	6,000 00	6,000 00	6,000 00		
Remodeling No. 15 Engine House	13,000 00	13,000 00	13,000 00		
Remodeling Male Grammar School No. 15.	4,500 00	4,500 00	4,500 00		
Building addition to No. 17 School	5,210 25	5,210 25	5,210 25		
Building addition to English-German School No. 4	10,580 20	10,580 20	10,580 20		
Amounts carried forward	$3,013,123 84	$5,171,964 75	$3,031,583 34	$1,918,391 23	$221,990 18

STATEMENT D—Continued.

NAMES OF ACCOUNTS.	FACE OF LEDGER. Dr.	FACE OF LEDGER. Cr.	Appropriations.	Received from Collector of Taxes.	Received from other sources.
Amounts brought forward	$3,013,123 84	$5,171,964 75	$3,031,583 34	$1,918,391 23	$221,990 18
Building addition to No. 16 Grammar School	7,209 55	7,209 55	7,209 55		
Repaving Layfayette Market	1,300 00	1,300 00	1,300 00		
Building Grammar School No. 19	19,711 76	35,000 00	35,000 00		
Building the Morgue	200 00	200 00	200 00		
Building Public School No. 25	13,637 51	25,000 00	25,000 00		
Building Colored School No. 3		25,000 00	25,000 00		
Building English-German School No. 1		25,000 00	25,000 00		
Wood ceilings for Public Schools	2,000 00	2,000 00	2,000 00		
Purchase of lot and building, Grammar School No. 18		25,000 00	25,000 00		
Repairs of 4th Battalion, M. N. G.	2,000 00	2,000 00	2,000 00		
Printing Building Laws	100 00	100 00	100 00		
Howard Zouave Armory	500 00	500 00	500 00		
City Commissioner's Department.					
Salaries and incidentals	9,623 86	10,100 00	10,100 00		
Kerbing Park avenue	3,365 49	12,000 00	12,000 00		
Vaults and areas		1,237 30			1,237 30
Repairs of paved streets	94,479 40	94,662 12	94,500 00		162 12
Repairs of unpaved streets	1,992 51	2,000 00	2,000 00		
Repairs of bridges	6,218 04	6,229 83	6,229 83		
Repairs of sewers	7,177 39	11,255 20	7,500 00		3,755 20
Improvement of Jones' falls	75 00	140 65			140 65
Improvement of Harford run	462 01				

Building North Avenue bridge	16,186 91	100,000 00	100,000 00		
Stone gutters, Park ave. and Saratoga st.	771 48	1,400 00	1,400 00		
Building Douglas Street bridge	39 00	35,000 00	35,000 00		
Regrading Lexington street	3,737 85	4,000 00	4,000 00		
Trapping inlets, Pennsylvania avenue and St. Mary street	698 07	700 00	700 00		
Trapping inlets, Myrtle avenue and Mulberry street	682 52	700 00	700 00		
Trapping inlets, Baltimore and Arch sts.	1,282 09	1,300 00	1,300 00		
Trapping inlets, Harlem avenue	461 34	900 00	900 00		
Trapping inlets, Central avenue and Baltimore street	116 60	150 00	150 00		
Trapping inlets, Calhoun street	134 00	400 00	400 00		
Trapping inlets, Pennsylvania avenue and Oxford street	503 36	700 00	700 00		
Trapping inlets, McMechin street and Foster alley	230 08	250 00	250 00		
Trapping inlets, Central avenue and McElderry street	1,024 64	1,200 00	1,200 00		
Repairing and repainting St. Paul Street bridge	3,293 00	3,400 00	3,400 00		
Repairing and repainting Calvert Street bridge	1,886 73	1,886 73	1,886 73		
Repairing and repainting North St. bridge	936 67	936 67	936 67		
Light Street bridge	2,633 50	2,675 90	2,657 90		18 00
Cross streets, paving and repaving	2,635 36	3,000 00	3,000 00		
Paving in front of City property	754 45	1,000 00	1,000 00		
Iron plates	94 76	27 00			27 00
Repairing and repainting City dock drawbridge	2,925 69	2,926 60	2,926 60		
Iron plates, Canton and Collington aves.	579 19	1,200 00	1,200 00		
Iron plates, Fayette and Exeter streets	545 42	707 60	700 00		7 60
Amounts carried forward	$3,225,329 07	$5,622,359 90	$3,476,630 62	$1,918,391 23	$227,338 05

STATEMENT D—Continued.

NAMES OF ACCOUNTS.	Face of Ledger.		Appropriations.	Received from Collector of Taxes.	Received from other sources.
	Dr.	Cr.			
Amounts brought forward	$3,225,329 07	$5,622,359 90	$3,476,630 62	$1,918,391 23	$227,338 05
Iron plates, Lombard and Caroline sts.	1,292 04	1,600 00	1,600 00		
Iron plates, Pennsylvania avenue and Mosher street	1,081 55	1,600 00	1,600 00		
Iron plates, Canton ave. and Chester st.	1,008 92	1,200 00	1,200 00		
Iron plates, Forrest and Gay streets	905 01	1,800 00	1,800 00		
Iron plates, Eastern ave. and Bond st.	815 08	1,050 00	1,050 00		
Iron plates, Myrtle ave. and Mosher st.	895 06	1,400 00	1,400 00		
Iron plates, Charles and Lee streets	1,345 27	1,550 00	1,550 00		
Iron plates, Chester and Bank streets	618 89	650 00	650 00		
Inlets to sewer, Eager and Chapel streets	316 58	500 00	500 00		
Iron plates, Canton ave. and Elliott st.	575 48	650 00	650 00		
Iron plates, Chesapeake and Hudson sts.	399 26	400 00	400 00		
Shelling Fulton avenue	1,099 58	1,100 00	1,100 00		
Flag and stepping-stones	4,994 87	5,000 00	5,000 00		
Shelling Ridgely and Bayard streets	2,416 79	2,502 70	2,500 00		2 70
Shelling E. Baltimore street	383 56	400 00	400 00		
Shelling Eastern avenue	375 53	400 00	400 00		
Repairing Ferry Point road	480 43	500 00	500 00		
Repairing Aisquith street	300 00	300 00	300 00		
Flagstones, German and other streets	171 88	225 00	225 00		
Paving Belair Market	6,500 00	6,500 00	6,500 00		
Paving Lafayette Market	1,167 54	1,167 54	1,167 54		
Paving Fell's Point Market	1,255 50				
Maintenance of floor of Biddle Street bridge	129 84	129 84	129 84		
Maintenance of floor of St. Paul Street bridge		946 27	946 27		

Inlets, Booth street	409 05	800 00	800 00		
Inlets, Schroeder's run	484 58	1,200 00	1,200 00		
Iron plates, Courtland street	833 59	1,200 00	1,200 00		
Iron plates, Gilmor street	1,102 94	1,300 00	1,300 00		
Kerbing Fulton avenue	1,088 87	1,200 00	1,200 00		
Cedar Avenue bridge	783 92	783 92	783 92		
Approaches Monroe Street bridge	969 62	1,000 00	1,000 00		
Monroe Street bridge	9,800 00	9,800 00	9,800 00		
Park Commission.					
Park Board	218,965 04	179,194 98			179,194 98
Federal Hill Park	273 19	273 19	273 19		
Riverside Park	1,023 26	1,023 26	1,023 26		
Railing around fountain at Riverside Park	300 00	300 00	300 00		
Music in the parks	3,000 00	3,000 00	3,000 00		
Harlem Park	3,349 30	4,000 00			4,000 00
Madison Square	3,265 66	3,381 00			3,381 00
Eastern Fountain	1,490 36	1,575 00	75 00		1,500 00
Franklin Square	1,477 00	1,500 00			1,500 00
Union Square	993 45	1,050 00			1,050 00
Perkins' Spring Square	1,190 28	1,300 00			1,300 00
Park Place Square	750 00	750 00			750 00
Lafayette Square	1,774 35	1,815 00			1,815 00
Jackson Square	1,382 81	1,500 00			1,500 00
Mt. Vernon Squares	1,199 96	1,200 00			1,200 00
Mt. Royal Terraces	54 36	54 36	54 36		
Broadway Squares, 1st Division	3,804 41	3,975 00	175 00		3,800 00
Broadway Squares, 2d Division	2,300 00	2,300 00			2,300 00
Broadway Squares, 3d Division	5,229 72	5,230 00			5,230 00
Eutaw Squares, 1st Divison	1,707 66	2,000 00			2,000 00
Eutaw Squares, 2d Division	1,979 12	2,000 00			2,000 00
Amounts carried forward	$3,524,840 23	$5,888,636 96	$3,530,384 00	$1,918,391 23	$439,861 73

STATEMENT D—Continued.

NAMES OF ACCOUNTS.	Face of Ledger. Dr.	Face of Ledger. Cr.	Appropriations.	Received from Collector of Taxes.	Received from other sources.
Amounts brought forward	$3,524,840 23	$5,888,636 96	$3,530,384 00	$1,918,391 23	$439,861 73
Ashland Square	123 43	150 00			150 00
Wilkens Avenue Squares	2,377 47	2,500 00			2,500 00
Fulton Avenue Squares and Baker Circle	2,813 38	2,813 45	119 45		2,694 00
Taney Place Square	248 63	300 00			300 00
Johnston Square	1,594 72	1,500 00	1,500 00		
Mt. Royal Avenue Squares	3,189 53	3,200 00			3,200 00
Collington Square	34 05	34 05	34 05		
Carroll Park	127 29	132 32			132 32
General Superintendent of Lamps.					
Inspecting and sealing gas meters		2,059 50			2,059 50
Incidentals	399 20	400 00	400 00		
Gas and electric lights	230,000 00	230,000 00	230,000 00		
Lamp pillars and lamps	14,793 52	15,500 07	15,253 97		246 10
General Expenditures.					
City Council	62,860 33	63,000 00	63,000 00		
General expense	1,051 90	1,500 00	1,500 00		
Masonic Hall	3,646 70	3,756 92	3,756 92		
Care of Circuit Court No. 2	845 06	900 00	900 00		
Court House	5,266 86	6,114 00	6,114 00		
Layfayette Market	302 00	1,737 74			1,737 74
Centre Market	670 49	7,158 26			7,158 26
Belair Market	533 93	8,222 70			8,222 70

Fell's Point Market	523 00	6,524 25			6,524 25
Lexington Market	612 92	12,873 40			12,873 40
Richmond Market	422 75	2,224 95			2,224 95
Hanover Market	451 01	5,648 10			5,648 10
Cross Street Market	406 50	4,634 75	150 00		4,484 75
Hollins Market	333 00	3,671 40			3,671 40
Northeast Market	311 35	2,126 20			2,126 20
Canton Market	159 31	371 50			371 50
Cross Street Hall	20 10	218 50			218 50
Hollins Hall	95 25	257 00			257 00
Broadway Hall	15 00	15 00			15 00
Wharfage	7,405 00	28,396 75			28,396 75
Salaries	74,889 59	75,069 50	75,069 50		
City Library	7,023 38	7,830 68	7,800 00		30 68
Public printing	876 81	2,063 91	1,625 91		378 00
Interest	103,590 27	203,964 33	70,000 00	124,706 26	9,258 07
Interest on stock debt	1,424,388 72	2,024,876 24	1,431,426 24		593,450 00
Superintendent of the City Hall	15,438 55	17,340 00	17,340 00		
Mayoralty	1,969 41	2,000 00	2,000 00		
Lamplighters	46,514 00	46,514 00	46,514 00		
Special appropriations	6,696 86	6,696 86	6,696 86		
Unclaimed damages for opening streets	532 25	576 63			576 63
Transportation to House of Correction	165 50	400 00	400 00		
City property	10,048 46	9,980 46	9,820 46		160 00
Appeal Tax Court	320 61	400 00	400 00		
City Collector	53,290 66	53,300 00	53,300 00		
Commissioners for Opening Streets	160 25	250 00	250 00		
Elections	16,670 33	16,832 10	16,832 10		
Dog Pound	1,253 50	2,622 19	2,200 00		422 19
Supervisors of Elections	9,255 76	10,000 00	10,000 00		
Liquor License Commission	13,873 12	13,034 00	13,000 00		34 00
Maryland Institute	6,000 00	6,000 00	6,000 00		
Amounts carried forward	$5,659,431 94	$8,806,268 67	$5,623,787 46	$2,043,097 49	$1,139,383 72

STATEMENT D—Continued.

NAMES OF ACCOUNTS.	Face of Ledger. Dr.	Face of Ledger. Cr.	Appropriations.	Received from Collector of Taxes.	Received from other sources.
Amounts brought forward	$5,659,432 94	$8,806,268 67	$5,623,787 46	$2,043,097 49	$1,139,383 72
Inspector of Gas and Oils (livery)	330 00	360 00	360 00		
Tax sales	8,297 61	6,249 98			6,249 98
Winding Maryland Institute clock	75 00	75 00	75 00		
Ringing Mechanics' bells	200 00	200 00	200 00		
Water Board	993,584 80	918,489 69			918,489 69
Water Loan of 1926	200,000 00	200,000 00			200,000 00
Drinking fountain, Concord and Eager sts.	75 00	75 00	75 00		
Drinking fountain, Hoffman and Aisquith sts	75 00	75 00	75 00		
Drinking fountain, Buren and Monument sts	75 00	75 00	75 00		
Drinking fountain, Greenmount ave. and Eager st	50 00	50 00	50 00		
Drinking fountain, cor. Russell and West sts	75 00	75 00	75 00		
Drinking fountain, northeast cor. North and Harford aves	75 00	75 00	75 00		
Drinking fountain, Lancaster street, west of Chesapeake, and Fairmount ave. and Dallas st	150 00	150 00	150 00		
Drinking fountains, various places	675 00	675 00	675 00		
Main on Boston st	4,000 00	4,000 00	4,000 00		
Main on Ostend st	3,500 00	3,500 00	3,500 00		
General licenses	1,520 96	48,437 10	2,000 00		46,437 10
City seal		22 65			22 65
Liquor licenses		384,012 17			384,012 17

Refunded taxes	3,494 10				
Sale of old material		492 20			492 20
Temporary loans	950,000 00	950,000 00			950,000 00
Auction duties		8,719 60			8,719 60
Sprinkling Mt. Royal ave. and Calvert st.	1,250 00	1,250 00	1,250 00		
Enoch Pratt Free Library	50,000 00	50,000 00	50,000 00		
Wm. L. Marbury, trustee under will of John H. Ehlen, dec'd		52 00			52 00
Files for City Library	768 45	1,000 00	1,000 00		
Binding Code of Public Laws	67 50	75 00	75 00		
Direct tax		1,441,121 86		1,441,121 86	
Miscellaneous stocks		723,231 61		723,231 61	
Opening streets		123,628 25		123,628 25	
Water tax		54,331 15		54,331 15	
Renumbering houses		3 00		3 00	
General Sinking Fund	97,801 37	97,801 37		97,801 37	
Water 1926 Sinking Fund	23,291 33	23,291 33		23,291 33	
Internal Improvement 1928 Sinking Fund	62,411 86	62,411 86		62,411 86	
Ice-boat Annapolis	7,500 00	10,000 00	10,000 00		
Turnpike dividends		208 90			208 90
Assistance to Examiner of Titles	1,000 00	1,000 00	1,000 00		
Condemnation of land in Druid Hill Park	59,394 98	59,844 98			59,844 98
Sale of City property		250 00			250 00
Conscience fund		83 12			83 12
Telephone Conduits		4,150 50			4,150 50
Drawings and specifications of Court House grounds and buildings	3,165 00	3,165 00	3,165 00		
State tax on City loans	28,226 16	36,731 50	30,000 00		6,731 50
Purchase of lot at Mt. Royal avenue, Hoffman and Cathedral streets	1,500 00	1,500 00	1,500 00		
Insurance of Bayview Asylum	3,625 00	3,862 50	3,862 50		
Insurance of new insane build'g at Bayview	420 00	420 00	420 00		
Amounts carried forward	$8,166,106 06	$14,031,490 99	$5,737,444 96	$4,568,917 92	$3,725,128 11

STATEMENT D—Continued.

NAMES OF ACCOUNTS.	Face of Ledger.		Appropriations.	Received from Collector of Taxes.	Received from other sources.
	Dr.	Cr.			
Amounts brought forward	$8,166,106 06	$14,031,490 99	$5,737,444 96	$4,568,917 92	$3,725,128 11
Insurance of Manual Training School	1,200 00	1,200 00	1,200 00		
Insurance of Baltimore City College and High Schools	1,275 00	1,275 00	1,275 00		
Lot for Colored School No. 3	6,642 26	6,642 26	6,642 26		
Rent of Circuit Court No. 2	900 00	900 00	900 00		
Purchase of lot in South Baltimore for new fire engine house	2,178 60	2,400 00	2,400 00		
Widening Lexington street, northwest corner Charles street	37,500 00	37,500 00	37,500 00		
Sale of No. 19 School House		25,000 00			25,000 00
Purchase of lot for Public School No. 25	15,312 50	15,400 00	15,400 00		
New City Code	2,000 00	4,800 00	4,800 00		
Hose for various markets	445 47	1,050 00	1,050 00		
Files for Comptroller's Department	1,550 00	1,600 00	1,600 00		
Widening Union Dock	319 25				
Closing Belvidere street	8,261 82	10,064 41	5,269 21	4,795 20	
Closing Carey street	58 94				
Closing Morris alley	128 44	298 35		298 35	
Closing Fourth lane	20 00				
Closing Cornet street	2 00				
Closing Sumwalt lane	2 00				
Closing Half-Moon alley	2 00				
Opening McCulloh street	2 00				
Opening Collington avenue	40 00				
Opening Nanticoke street	768 75	768 75	768 75		

Opening Spring street	100 00				
Opening Pulaski street	9,393 42	7,000 89	5,724 02	1,276 87	
Opening Russell street	376 20	376 20	376 20		
Opening Madison street	6,201 15	6,445 14	3,491 64	2,953 50	
Opening Race street		946 60	946 60		
Opening Scott street	124 74	124 74	124 74		
Opening Cooksie street		370 74	288 24	82 50	
Opening Calhoun street	846 00	1,275 00		1,275 00	
Opening Regester street	17,425 25	17,967 81	11,282 56	6,570 50	114 75
Opening Ann street	22,175 43	22,697 31	15,487 81	6,369 50	840 00
Opening Lanvale street	153 97				
Opening Mount street	2,330 50	2,823 52	437 77	2,385 75	
Opening Beason street	8,735 46	9,343 55	8,094 05	1,146 00	103 50
Opening West Baltimore street	600 00				
Opening Hollins street	651 00				
Opening Brevard street		1,361 57		1,361 57	
Opening Whitelock street	387 59				
Opening Burke street		3,740 33	3,740 33		
Opening Federal street	682 07	544 00		544 00	
Opening Lovegrove alley	8,000 00	8,718 20	7,072 20	1,646 00	
Opening Fifth lane or street		97 05		97 05	
Opening Pinckney alley	192 50				
Opening Morris alley	21 50				
Opening Patapsco alley	4,897 94	9,523 33	8,035 83	1,297 50	190 00
Opening Chew street	87 15	2,110 06		2,110 06	
Opening Johnson street	1,647 36	1,647 36	747 86	899 50	
Opening Castle alley	32,738 57	34,568 40	23,815 65	8,166 00	2,586 75
Opening Townsend street	165 20				
Opening Etting street	205 20	202 50		202 50	
Opening Cannon street		15 00			15 00
Opening Cleveland street	101 78				
Opening Ward street	26 15				
Amounts carried forward	$8,362,981 22	$14,272,289 06	$5,905,915 68	$4,612,395 27	$3,753,978 11

STATEMENT D—Continued.

NAMES OF ACCOUNTS.	Face of Ledger. Dr.	Face of Ledger. Cr.	Appropriations.	Received from Collector of Taxes.	Received from other sources.
Amounts brought forward	$8,362,981 22	$14,272,289 06	$5,905,915 68	$4,612,395 27	$3,753,978 11
Opening Eutaw street	153 06				
Opening Riggs avenue	41,817 00	41,334 71	33,803 09	6,432 12	1,099 50
Opening Chase street	13 13	10 50		10 50	
Opening Andre street	20,860 68	21,296 82	13,398 32	7,398 50	500 00
Opening Allen street	87 15				
Opening Stockholm street	345 54				
Opening Porter street	255 07				
Opening Durham street	183 74				
Opening Penn street	2,272 73	1,667 81		1,667 81	
Opening Donaldson street	28 84	28 84	26 34	2 50	
Opening an alley ten feet wide, Eden to Spring street	30 00				
Opening Covington street	3,827 02	3,828 00	1,524 00	2,304 00	
Opening Bethel street	192 81				
Opening Clare street	9,188 56	11,634 18	8,584 18	3,050 00	
Opening Dallas street	153 45				
Opening Ridgely street	2 00				
Opening Luzerne street	161 62				
Opening Seventh street	298 89				
Opening Eighth street	253 38				
Opening Northwest street	213 02				
Opening Windsor avenue	233 20				
Opening Elgin street	135 52				
Opening Clifton street	309 96				
Opening Port alley	113 35				
Opening East and Chesnut streets	744 93				

Opening Forrest street	285 83				
Opening Ninth street	124 45				
Opening Tenth street	134 45				
Opening Ducatel street	2 00				
Opening Payson street	2 00				
Opening Wolfe street	307 02				
Opening Myrtle avenue	185 53				
Opening an alley 10 feet wide, Calvert street to Hargrove alley	2 00				
Opening an alley 10 feet wide, First to Second street	68 10				
Paving interest		14 70		14 70	
Paving Fulton avenue	178 28	39 23		39 23	
Paving Mt. Royal avenue	504 71				
Paving Orleans street		23 91		23 91	
Paving Clement street	268 55				
Paving Wilkens avenue	512 82	13 80		13 80	
Paving East street	117 79				
Paving Gold street	101 82				
Paving Harlem avenue	49 81				
Paving Washington avenue	1,084 89				
Paving Patterson Park avenue	883 53				
Paving East Biddle street	1,569 80				
Paving Cannon street	1,179 60				
Paving Madison avenue	16 67				
Paving East Baltimore street		23 82		23 82	
Paving Wolfe street	1,472 09	87 69		87 69	
Paving Chester street	1,216 50	1,350 00	1,350 00		
Paving Mount street	4,158 05	5,004 00	5,000 00		4 00
Paving private alley, near Eagle street	18 63				
Internal Improvement 1928 loan	13,529 40	1,682,829 40			1,682,829 40
Amounts carried forward	$8,472,830 19	$16,041,476 47	$5,969,601 61	$4,633,463 85	$5,438,411 01

STATEMENT D—Continued.

NAMES OF ACCOUNTS.	FACE OF LEDGER.		Appropriations.	Received from Collector of Taxes.	Received from other sources.
	Dr.	Cr.			
Amounts brought forward	$8,472,830 19	$16,041,476 47	$5,969,601 61	$4,633,463 85	$5,438,411 01
Building No. 13 Primary School	87 07				
Jenkins' run sewer	46,248 11				
Carey street relief sewer	121,339 18				
Wolfe street sewer	3,888 52				
Paving streets around Richmond Market	8,766 88	2 45			2 45
Pulaski and Franklin streets sewer	24,005 30				
Lovegrove alley sewer	20,299 91				
Cross street sewer	76,017 96				
Fremont street sewer	60,289 68				
Ann and Gay streets sewer	9,766 83				
Druid Hill avenue sewer	10,691 51				
Eden street sewer	26,087 46				
Preston street sewer	1,206 16				
Eager street sewer	8,467 02				
Read street sewer	11,751 88				
Rebuilding Light street bridge	56,431 97				
Paving Layfayette Market	13,041 15				
Paving streets, Southern Police Station	2,354 46				
Inlets, Wolfe street sewer	1,203 46				
Paving streets around Hanover Market	10,484 66				
Fulton avenue sewer	41 04				
Pulaski street sewer	659 98				
Howard street sewer	11,890 01				
Fulton avenue and Eagle street sewer	4,427 63				
Bush street sewer	5,698 00				
Russell street bridge	4,927 49				

Monroe street bridge	18,268 24				
Carroll Park	5,000 00				
Patterson Park Extension	70,015 09	8 30			8 30
Lot for Colored School No. 3	7,357 74				
Purchase of Carroll Park	500 00				
Widening Fayette street	4,514 15	1,095 50		1,095 50	
Widening East Baltimore street	200,988 10	29,013 25		24,153 25	4,860 00
Opening Douglas street	336,777 15	21,811 96		9,871 96	11,940 00
Paving Cathedral street	4,051 26				
Paving Camden street	4,208 29				
Paving Hollins street	11,233 87				
Paving Sharp street	3,646 66				
Purchase of lot and building Annex School No. 3	42 53				
Building Annex School No. 3	11,323 06				
City Annex.					
General Superintendent of Lamps.					
Incidentals	300 00	300 00	300 00		
Gas and electric lights	11,089 24	11,089 24	11,089 24		
Lamp pillars and lamps	4,997 83	5,000 00	5,000 00		
Fire Department.					
Salaries and incidentals	30,103 75	30,110 93	30,110 93		
Fire plugs at Carroll	250 00				
Cleaning streets	16,759 15	17,284 00	17,284 00		
Health, salaries	3,179 98	3,180 00	3,180 00		
Nuisances	1,814 00	1,820 00	1,820 00		
Amounts carried forward	$9,759,323 60	$16,162,192 10	$6,038,385 78	$4,668,584 56	$5,455,221 76

STATEMENT D—Concluded.

NAMES OF ACCOUNTS.	FACE OF LEDGER. Dr.	FACE OF LEDGER. Cr.	Appropriations.	Received from Collector of Taxes.	Received from other sources.
Amounts brought forward	$9,759,323 60	$16,162,192 10	$6,038,385 78	$4,668,584 56	$5,455,221 76
Schools.					
Public Schools	19,597 67	19,685 00	19,675 00		10 00
Public Schools, salaries	76,314 40	76,325 00	76,325 00		
Inspector of Buildings' Department.					
Repairs City property	3,000 00	3,000 00	3,000 00		
Building Annex School No. 11	9,279 08	21,000 00	21,000 00		
Building addition to Annex School No. 2	4,500 00	4,500 00	4,500 00		
Purchase of lot and building Annex School No. 10		12,000 00	12,000 00		
City Commissioner's Department.					
Paving cellars No. 13 Annex School	300 00	300 00	300 00		
Repairing Fourth street	1,187 66	1,200 00	1,200 00		
Repairing Woodberry lane	1,492 59	1,500 00	1,500 00		
Repairing Falls road	4,988 53	5,000 00	5,000 00		
Repairing Brehm's lane	250 00	250 00	250 00		
Repairing Cedar avenue	365 69	500 00	500 00		
Repairing Wilkens avenue	196 06	200 00	200 00		
Repairing Oak street	247 24	250 00	250 00		
Repairing Merryman avenue	1,211 36	1,296 00	1,296 00		
Repairing Chestnut Hill avenue	83 04	100 00	100 00		
Repairing Tenth street	295 20	300 00	300 00		
Repairing Huntingdon avenue	995 00	1,000 00	1,000 00		
Repairing Brunswick street	396 47	400 00	400 00		

Repairing Mine Bank lane	134 79	200 00	200 00		
Repairing Brady avenue, Frisby street, &c.	1,149 13	1,200 00	1,200 00		
Repairing Windsor Mill road	996 28	1,000 00	1,000 00		
Repairing Valley and Mount streets	294 09	300 00	300 00		
Repairing Garrison avenue	1,440 81	1,450 00	1,450 00		
Repairing Old Frederick road	995 17	1,000 00	1,000 00		
Repairing Druid Hill avenue	2,933 23	3,500 00	3,500 00		
Repairing Edmondson avenue bridge	2,984 90	3,000 00	3,000 00		
Repairing Union avenue bridge	996 68	1,000 00	1,000 00		
Repair of streets, roads, &c	9,364 78	9,565 12	9,482 00		83 12
Graveling Linden avenue	197 00	200 00	200 00		
Graveling Clifton street	297 63	300 00	300 00		
Graveling Mary street	198 74	200 00	200 00		
Shelling Maiden's Choice road	646 79	650 00	650 00		
Shelling Mine Bank lane	178 33	300 00	300 00		
Shelling Friendship lane	389 12	400 00	400 00		
Macadamizing Edmondson avenue	1,994 24	2,000 00	2,000 00		
Culvert in Jefferson street	1,445 68	1,500 00	1,500 00		
Grading Jefferson street	479 67	500 00	500 00		
Grading and draining Hickory avenue, &c.	10,903 23	11,000 00	11,000 00		
Put in condition, Gorsuch avenue	848 36	1,000 00	1,000 00		
Shelling Monument st. and Loney's lane	662 17	700 00	700 00		
Raising Gwynn's falls bridge	2,490 41	2,500 00	2,500 00		
City Collector	2,599 92	2,600 00	2,600 00		
Interest	3,034 09	4,036 64		4,036 64	
Direct tax		145,462 71		145,462 71	
Special assessment	1,193 06				
Refunded taxes	298 52				
Lamplighters	10,508 29				
Mayor and City Council	6,233,163 78				
Cash	10,273,398 79	9,943,678 70			
Totals	$26,450,241 27	$26,450,241 27	$6,233,163 78	$4,818,083 91	$5,455,314 88

STATEMENT E.

Receipts and Disbursements from Dec. 31, 1890, to Dec. 31, 1891.

	Receipts.	Disbursements.
January	$ 809,403 32	$ 827,033 08
February	1,139,812 40	544,181 84
March	171,715 06	453,287 05
April	715,654 84	736,034 39
May	428,915 08	1,397,885 56
June	2,243,348 13	995,605 21
July	895,614 39	822,705 72
August	289,640 38	557,316 06
September	199,569 81	648,766 18
October	670,364 46	679,037 85
November	1,189,862 48	1,249,656 28
December	1,519,498 44	1,032,169 48
	$10,273,398 79	$ 9,943,678 70
Balance Dec 31st, 1890.	128,546 92	
" Dec. 31st, 1891.		458,267 01
	$10,401,945 71	$10,401,945 71

STATEMENT F.

Statement showing the Monthly Returns of the "Keepers of the Standards of Weights and Measures," from March 1, 1891, to December 31, 1891.

1891.	N. W. District.	S. W. District.	N. E. District.	S. E. District.	Totals.
March	$276 81	$159 44	$310 28	$300 18	$1,046 71
April	314 49	362 31	296 90	293 40	1,267 10
May	328 20	303 90	265 94	298 82	1,196 86
June	294 65	327 32	308 81	190 92	1,121 70
July	254 86	201 44	320 90	162 24	939 44
August	221 76	401 16	176 40	200 17	999 49
September	213 17	109 97	51 72	49 58	424 44
October	65 37	57 17	33 71	56 52	212 77
November	76 19	23 70	8 49	24 57	132 95
December	44 51	18 27	22 23	19 35	104 36
Totals	$2,090 01	$1,964 68	$1,795 38	$1,595 75	$7,445 82

COMMUNICATIONS.

OFFICE INSPECTOR OF BUILDINGS—CITY HALL.

BALTIMORE, December 31st, 1891.

JOHN A. ROBB, ESQ., *City Register:*

DEAR SIR—The appropriations required for this Department for the year 1892 are as follows:

For repairs of City property—	
" engine houses	$8,000 00
" City Jail	3,000 00
" City Hall	5,000 00
" market houses	5,000 00
" court houses	4,000 00
" dog pound and other property	1,000 00
" repairs of public schools	12,000 00
" painting school houses	6,000 00
" sanitary and other improvements	9,000 00
" substituting wood or iron for plaster ceilings	4,000 00
" emptying cess-pools	1,200 00
" incidentals	100 00
" livery of two horses and repairs to wagons	600 00
Amount carried forward	$58,900 00

Amount brought forward	$58,900 00
For salaries	5,500 00
" repairs City property, Annex	8,000 00
" extra help	1,000 00
" erecting new partitions and storm doors in school houses	800 00
" partition Female Grammar School No. 10.	250 00
" completion of No. 25 School	11,362 49
" completion of No. 19 School	21,065 00
" completion of No. 11 Annex School	11,720 92
" completion of Male and Female Grammar School	21,000 00
" completion of Grammar School No. 18	25,000 00
" completion of English-German School No. 1	25,000 00
" completion of No. 3 Colored School	25,000 00
" additional story to English-German School No. 1	5,000 00
" completion of No. 10 Public School (Carroll) Annex	12,000 00
Total	$231,598 41

Yours, with respect,

J. Theo. Oster,

Inspector of Buildings.

OFFICE OF THE COMMISSIONERS OF PUBLIC SCHOOLS—CITY HALL.

BALTIMORE, January 6th, 1892.

JOHN A. ROBB, ESQ., *City Register:*

DEAR SIR—Estimated amounts required by the Commissioners of Public Schools for expenditure for school purposes for the year 1892:

For schools within the old limits—		
For account of salaries		$718,500 00
" " rents and ground rents		38,000 00
" " books and stationery		47,500 00
" " heating apparatus and repairs		11,000 00
" " furniture		25,500 00
" " fuel		26,000 00
" " repairs and cleaning		10,000 00
" " incidentals, printing, &c.		11,000 00
		$887,500 00
" salaries of Annex schools	$84,000 00	
" sundries of Annex schools	21,000 00	
		105,000 00
" Manual Training School		26,000 00
Total		$1,018,500 00

Respectfully submitted,

HENRY M. COWLES,

Secretary.

ESTIMATED AMOUNT REQUIRED FOR THE YEAR 1892—CITY PROPER.

Gas and Electric Light Account.

Electric arc lights, 962 at 35 cents	$123,232 20
Electric arc lights, additional 100 at 35 cents per 9 months	11,660 00
Incandescent lamps, 48	552 00
4,703 gas lamps, burning 4,000 hours each 94,060,000 cubic feet, at $1.25 per 1,000.	117,575 00
Gas for markets, 5,450,000 cubic feet, at $1.25 per 1,000	6,812 50
Gas for squares and bridges, 2,000,000 cubic feet, at $1.25 per 1,000	2,500 00
Gas for Washington Monument, 125,000 cubic feet, at $1.25 per 1,000	156 25
200 new gas lamps, average consumption 3,000 hours each 3,000,000 cubic feet, at $1.25 per 1,000	3,750 00
Erecting 200 new gas lamps at $7.50 each.	1,500 00
Repairs to services, straightening posts, &c	975 00
Repairs to stops, burners and new tops	1,500 00
New burners, tips, repairs of meters and apparatus, advertising, &c	500 00
	$270,712 95
Deficiency for 1891 gas company bill	1,500 03
	$272,212 98

Lamp-pillar and Lamp Account.

639 gasoline lamp supplies at $11.00 each.	$7,029 00
50 gasoline lamp supplies additional, 6 months each, at $5.50	275 00
15 dozen gasoline lanterns at $2.90 each..	522 00
15 dozen minor globe lamps at $3.75 each.	675 00
200 new iron gas lamp-posts at $6.00 each	1,200 00
Repairs to gas lanterns at $225 per month	2,700 00
Red and ground glass, globes, street signs, repairs to wagons and harness, repairs to gas pipes and additional pipe in markets and City buildings	1,800 00
Erecting gasoline posts, putting up lanterns and globes, street signs, meter seals, extra help in office, advertising, &c.	799 00
	$15,000 00
Keep of horse and wagon for General Superintendent	300 00
Incidentals for office of General Superintendent	100 00

ESTIMATED AMOUNT REQUIRED FOR THE YEAR 1892—CITY ANNEX.

Gas and Electric Light Account.

Gas for 534 lamps, 4,000 hours each, say 20,000 cubic feet each lamp, 10,680,000 cubic feet at $1.25 per 1,000	$13,350 00

Amount brought forward	$13,350 00
50 new gas lamps at 10,000 cubic feet each, say 500,000 cubic feet, at $1.25 per 1,000	625 00
Erecting 50 new lamps at $7.50 each	375 00
9 electric arc lamps at 35 cents each per night	1,152 90
Repairs of services, and straightening posts, &c	225 00
	$15,727 90

Deficiency Gas and Electric Light Account.

Brush Electric Company	$ 31 50
Siemens-Lungren Gas Lamp Company	60 00
Consolidated Gas Company	1,330 95
	$1,422 45

Lamp-pillar and Lamp Account.

Gasoline for 519 lamps at $7.50	$3,892 50
Painting and repairing gas and gasoline lanterns	600 00
8 dozen new gasoline lanterns at $2.90 each	278 40
6 dozen new gas lanterns at $1.90 each	136 80
5 dozen new minor lamps at $3.75 each	225 00
50 new iron gas lamp-posts at $6.00 each	300 00
Glass for gas and gasoline lanterns	175 00
Gasoline for 50 additional lamps	275 00
Amount carried forward	$5,882 70

Amount brought forward	$5,882 70
New gasoline posts, erecting, straightening and resetting	150 00
Repairs to gasoline and gas burners and stops	100 00
Street signs, frames, putting up signs, &c.	500 00
New gas and gasoline burners, tips, wicks, &c.	200 00
	$6,832 70
Keep of horse and wagon for Superintendent of Annex	300 00

OFFICE OF COMMISSIONER OF STREET CLEANING,—
CITY HALL.

BALTIMORE, January 5th, 1892.

JOHN A. ROBB, ESQ., *City Register:*

DEAR SIR—The following is the estimate of expenses for the Department of Street Cleaning for the year 1892:

138 garbage carts at $18 per week	$129,168 00
58 street carts at $18 per week	54,288 00
130 sweepers and scrapers at $10 per week.	67,600 00
Contract for removal of garbage	9,500 00
Salaries	9,000 00
Dumps	4,500 00
Tools and incidentals	2,000 00
	$276,056 00

CITY ANNEX.

12 garbage carts at $18 per week.....	$11,232 00
3 street carts at $18 per week.....	2,808 00
6 sweepers and scrapers at $10 per week..	3,120 00
Salary of Superintendent.....	1,000 00
Tools, &c.....	60 00
Respectfully submitted,	$18,220 00

B. E. SMITH,

Commissioner of Street Cleaning.

OFFICE OF THE BOARD OF SUPERVISORS OF ELECTIONS, IN THE CITY OF BALTIMORE—CITY HALL.

BALTIMORE, January 4th, 1892.

JOHN A. ROBB, ESQ., *City Register:*

SIR—The estimated expenses for the Board of Supervisors of Elections for the year 1892, under existing laws, are as follows:

Salaries.

Three (3) Supervisors, each $1,250.....	$3,750 00
Counsel to Board.....	1,800 00
Extra Counsel to Board.....	1,500 00
Clerk to Board.....	1,000 00
Extra help (clerical, &c.,) and incidentals.	3,000 00
Total.....	$11,050 00

By order of the Board of Supervisors,

J. N. FOSTER,

Clerk.

TAX DEPARTMENT, CITY COLLECTOR'S OFFICE—CITY HALL.

BALTIMORE, January 2d, 1892.

JOHN A. ROBB, ESQ., *City Register:*

DEAR SIR:—Herewith I submit estimates for the salaries of the City Collector, the Deputy Collector, cashiers, bookkeepers and clerks in the Tax Department, incidental expenses of the Tax Department, a salaries of the judges, clerks and assessors of the Appeal Tax Court, for the fiscal year ending December 31, 1892, amounting in the aggregate to fifty-six thousand eight hundred dollars ($56,800.)

Respectfully,

J. T. M. BARNES,

Deputy City Collector.

Tax Department.

1 City Collector	$2,000 00
1 Deputy City Collector	2,500 00
1 Cashier	1,600 00
1 Assistant Cashier	1,400 00
1 Bookkeeper	1,600 00
1 General Cash Bookkeeper	1,600 00
1 Transfer Clerk	1,300 00
1 Price Clerk	1,300 00
13 Ledger Clerks at $1,300 each	16,900 00
Incidental expenses of Tax Department	3,000 00
Total	$33,200 00

Appeal Tax Court.

3 Judges at $1,800 each	$5,400 00
1 Chief Clerk	1,600 00
1 Assistant Clerk	1,600 00
1 Assessor of new improvements	1,400 00
2 Assessors of old real estate at $1,200 each	2,400 00
1 Clerk to Assessors	1,200 00
28 Assessors of personal property	10,000 00
Total	$23,600 00

CITY LIBRARY—CITY HALL,

BALTIMORE, January 4th, 1892.

JOHN A. ROBB, ESQ., *City Register:*

DEAR SIR:—I estimate that the sum of seven thousand eight hundred dollars ($7,800.00) will be required for this department during the year 1892.

Respectfully yours,

GEORGE C. WEDDERBURN,

City Librarian.

OFFICE FIRE COMMISSIONERS—CITY HALL.

BALTIMORE, January 5th, 1892.

JOHN A. ROBB, ESQ., *City Register:*

SIR—The following are the estimates for the City and Annex Fire Departments for the year 1892:

CITY.

Salaries	$211,783 39
Apparatus	7,300 00
Apparatus repairs	8,500 00
Accident	1,000 00
Feed	11,000 00
Fuel	2,600 00
Furniture	1,800 00
Harness	1,500 00
Horseshoeing	1,800 00
Hose and suction tubes	9,000 00
Horses	5,000 00
Gas	1,600 00
Oils, paints, &c	2,000 00
Office expenses, including printing report and Messenger salary	1,200 00
Rent of telephones	691 79
Miscellaneous	1,500 00
Washing	2,000 00
Insurance of members	1,633 50
Pensions for firemen	6,000 00
Sick	900 00
Police and Fire Alarm Telegraph	21,875 00
Deficiency for No. 16 Engine Co., fire boat "Cataract"	8,252 48
Total	$308,936 16

ANNEX.

Salaries	$21,700 00
Apparatus	
Apparatus repairs	1,200 00
Accident	100 00
Feed	2,500 00
Fuel	400 00
Furniture	300 00
Harness	300 00
Horse shoeing	350 00
Hose	300 00
Horses	2,000 00
Rent	848 50
Gas	250 00
Oils, paints, &c	400 00
Rent of telephones	120 00
Miscellaneous	250 00
Office expenses	300 00
Washing	175 00
Insurance of members	153 45
Sick	200 00
Police and Fire Alarm Telegraph	1,000 00
Total	$32,846 95

Respectfully,

J. Alex. Preston,

President.

HARBOR BOARD OF BALTIMORE, ENGINEER'S OFFICE.

BALTIMORE, January 5, 1892.

JOHN A. ROBB, ESQ., *City Register:*

DEAR SIR—I am directed by the Harbor Board to submit the following estimate of amounts required for the fiscal year of 1892:

Harbor, channels and docks...		$50,000 00
Widening mouth of harbor...		25,000 00
Operation and maintenance of ice-boat, unexpended balance	$2,353 91	
New appropriation.....	12,646 09	
		15,000 00
Repairs to wharves.....		5,000 00
Removal of ashes, unexpended balance.....		1,476 23
New boiler and repairs to tug.		6,000 00
Total.....		$102,476 23

Respectfully, &c,

N. H. HUTTON,

Engineer.

HEALTH DEPARTMENT—CITY HALL.

BALTIMORE, January 4th, 1892.

JOHN A. ROBB, ESQ., *City Register:*

DEAR SIR—The following estimates for the expenses of the Health Department for the year 1892, have been carefully made up and based upon the experience of absolute necessities:

Salaries	$36,200 00
General health	15,000 00
Nuisances and sewers	15,000 00
Quarantine hospital	18,000 00
Post mortems (ordinance)	1,500 00
Removing filth from docks	4,000 00
Removal of canning house refuse	5,000 00
	$94,700 00

CITY ANNEX.

Salaries	$3,800 00
Nuisances and sewers	2,500 00
	$6,300 00

Respectfully submitted,

JAMES F. MCSHANE,

Commissioner of Health.

Table B.

Showing the amounts required for the City Commissioner's Department for the year ending December 31, 1892:

On what account.	Amounts.
Repairs of sewers and inlets	$10,000 00
" bridges	6,000 00
" paved streets	85,000 00
" unpaved streets	2,000 00
Paving and repaving in front of City property	1,500 00
Paving and repairing cross streets	10,000 00
Salaries	9,000 00
Livery	800 00
Incidentals	100 00
Light street bridge	6,000 00
Flag and stepping-stones	5,000 00
Maintenance of floor of Biddle st. bridge	129 84
Repairs of streets, roads and bridges in the Annex	15,000 00
Salaries and livery in the Annex	2,432 00
	$152,961 84

Reappropriations for 1892 *for the following streets, viz:*

Patapsco, from Fort ave. to Ostend st.	$ 715 14
Race street, from Cross to Fort avenue..	946 60
Burke st., from Baltimore to Monument st.	3,740 33
Patapsco alley, from Ostend to West st...	1,869 75
Castle alley, from Monument to Eager st..	1,625 83
Closing Belvidere road.....	1,096 15
Clare street, from Washington avenue to and across B. & O. R. R. tracks.....	1,830 72
	11,824 52

Approximate estimate for 1892.—*City's proportion for opening streets.*

Cooksie street, from Clement to Cuba....	$ 288 24
Chew street, from Wolfe to Chester.....	8,313 59
Frederal street, from Aisquith to Eden...	23,419 69
Hollins street, from old City limits to Catharine.....	38,894 85
Hollins street, from Calverton road to the western line of the old City limits.....	554 35
Penn street, from Haw to Fremont.....	35,901 92
Pinkney street, from Cross to Stockholm.	4,607 70
	$111,980 34
Brevard street, from Biddle to Preston	8,816 33
	$120,796 67

Respectfully submitted,

C. L. Goodwin.

OFFICE OF SUPERINTENDENT CITY HALL,

BALTIMORE, January 5th, 1892.

JOHN A. ROBB, ESQ., *City Register:*

DEAR SIR—The following is the estimate of the expenses of this Department for the year ending December 31st, 1892:

Gas and incandescent lights	$3,500 00
Coal and wood	2,300 00
Cleaning City Hall	7,320 00
Repairs to furniture and gas fixtures	700 00
Ice	500 00
Brushes, buckets, soap, &c	300 00
Removing ashes, &c	150 00
Winding tower clock and fire-alarm striker, and regulating all clocks in the Hall, batteries, &c.	400 00
Laborer	720 00
New furniture	150 00
Window shades	50 00
Incidentals	200 00
Cleaning carpets and draperies and relaying.	400 00
New carpets, rugs, &c	500 00
	$17,190 00

Respectfully submitted,

W. P. RYAN,

Supt. City Hall.

OFFICE BOARD OF POLICE COMMISSIONERS.

BALTIMORE, January 7th, 1892.

To the Mayor and City Council of Baltimore City:

GENTLEMEN—The Board of Police Commissioners estimate that the sum of seven hundred and eighty-five thousand dollars ($785,000) will be required for the Police Department for the year of 1892.

Very respectfully,

E. M. SCHRYVER,
JOHN Q. A. ROBSON,
JOHN GILL, JR.,
Police Commissioners.

OLD MASONIC HALL BUILDING.

BALTIMORE, January 6, 1892.

JOHN A. ROBB, ESQ., *City Register:*

DEAR SIR—The following is the estimate of this Department for the year ending December 31, 1892:

Superintendent's salary	$1,000 00
Watchman's salary	900 00
Janitor's salary	600 00
Amount carried forward	$2,500 00

Amount brought forward	$2,500 00
Assistant's salary	300 00
Coal, 65 tons, at $5 per ton	325 00
Gas	100 00
Ice	90 00
Buckets, brooms, brushes, feather dusters, soap, &c	57 00
Repairs to furniture, locks, keys, window curtains, &c	50 00
Repairing, relining stoves, new grates, &c.	70 00
Whitewashing offices, yards, &c	15 00
Hauling ashes, &c	17 00
Cleaning and relaying carpets	31 00
Incidentals	100 00
Washing towels	30 00
Wood for kindling, 3 cords	22 50
Carpet for Circuit Court, 300 yards, lining, rugs, &c	425 00
Stove for City Court, oil cloth, mats, &c.	90 00
Carpet for Clerk's office, Circuit Court	25 00
	$4,247 50

Respectfully submitted,

JAMES DONNELLY,

Superintendent.

CLAYTON BUILDING, CIRCUIT COURT NO. 2,

BALTIMORE, January 6th, 1892.

JOHN A. ROBB, ESQ., *City Register:*

DEAR SIR—The following is the estimate of this Department for the year ending December 31st, 1892:

Janitor, cleaning Court, offices, &c.....	$600 00
Coal, 25 tons	125 00
Wood, 2 cords.....	15 00
Ice	30 00
Gas.....	25 00
Brushes, brooms, buckets, feather dusters, soap, mops, &c	30 00
Cleaning carpets, relaying, &c	25 00
Repairs to stoves, furniture, locks, keys, &c.....	40 00
Hauling ashes.....	8 00
Incidentals.....	50 00
Hose, &c.....	15 00
	$963 00

Respectfully submitted,

JAS. DONNELLY,

Supt.

BALTIMORE, January 4th, 1892.

JOHN A. ROBB, ESQ., *City Register:*

DEAR SIR—The following is the estimated expenses of the Criminal Court, Record Office and grounds, required for the year 1892:

Superintendent's salary	$1,200 00
Watchman's salary	1,000 00
Janitor for Criminal Court building, basement and grounds	600 00
Cleaning Criminal Court	350 00
Cleaning Court Common Pleas	350 00
Janitress for ladies' room	300 00
100 tons of coal for Criminal Court, Superior, Common Pleas, Jury, Grand Jury, Witness room, Clerks' offices, at $5.00	500 00
50 tons of coal for Record Office at $5.00	250 00
8 cords kindling wood, same as for coal, at $8.00	64 00
Gas for Criminal Court buildings, basements and offices	200 00
Ice for Criminal Court, Superior, Common Pleas, Jury rooms, offices, &c.	150 00
Ice coolers and repairing	50 00
Removing ashes and refuse	100 00
Amount carried forward	$5,114 00

Amount brought forward	$5,114 00
Whitewashing the Criminal Court building and yard	150 00
Gas fixtures, globes and repairs, Criminal, Superior, Common Pleas, &c	100 00
Locks, keys and repairs	30 00
Window curtains and awnings	100 00
Brooms, buckets, brushes, mops, towels, soap, soda, &c	100 00
Furniture, chairs, desks, &c	150 00
Carpets, oilcloth and linoleum	150 00
Repairing furniture	150 00
Repairing furnaces, stoves and grates	150 00
	$6,194 00

Respectfully submitted,

JOHN D. COOK,

Supt. of Criminal Court.

REPORT OF

The Department of Finance

FOR THE YEAR 1891.

REPORT.

DEPARTMENT OF FINANCE,

BALTIMORE, December 31, 1891.

To the Honorable the Members of the
First and Second Branches of the City Council.

GENTLEMEN:

The Commissioners of Finance have the honor to submit herewith, for your consideration, statements in detail exhibiting their transactions during the current year, as follows:

1. A summary of receipts and payments on account of the various sinking funds.

2. A statement of stocks purchased for the sinking funds.

3. A statement showing the condition of the various sinking funds.

4. A statement of the condition of the Enoch Pratt Free Library sinking fund.

5. A statement of the condition of the Horwitz benevolent fund.

6. A schedule of the real estate and ground rents, on the books of the Commissioners of Finance, from which income is derived.

7. A statement of the sinking funds' ledger.

8. A balance sheet of the sinking funds' ledger.

9. A statement of the indebtness of the Western Maryland Railroad Company to the Mayor and City Council of Baltimore.

The matters embraced in the foregoing are exhibited under the respective heads in a detailed form, in the Appendix to this report.

1—RECEIPTS AND PAYMENTS.

The receipts have been derived as follows:

From cash to credit of sinking funds Dec. 31, 1890.	$340,825 66
From Baltimore & Ohio R. R. Co., on account of purchase of Pittsburgh & Connellsville Railroad bonds.....	40,000 00
From interest upon stocks and investments	346,365 55
From rental of real estate.	25,424 38
From rental of Hillen Station, under Ordinance 97, 1875.....	16,000 00
Amount carried forward..	$768,615 59

Am'nt brought forward,	$768,615 59	
From rental of Western Maryland R. R. terminal depot, Ordinance 92, 1882	9,181 47	
From premium on sales of $1,669,300 Internal Improvement 1928 Loan	13,529 40	
From City Collector, for Water 1926 Loan Sinking Fund	23,291 33	
From City Collector, for Internal Improvement Loan Sinking Fund	62,411 86	
From City Collector, for General Sinking Fund	97,801 37	
From sales of fractions of stock	74 95	
		$974,905 97

The payments have been as follows:

For investment purchases.	$550,884 26	
For interest on Western Maryland R. R. 1902 Loan	60,000 00	
For interest on Western Maryland R. R. 3d mortgage bonds	52,725 00	
Amounts carried forward.	$663,609 26	$974,905 97

Am'ts brought forward.	$663,609 26	$974,905 97
For redemption of Consolidated 6 per cent. 1890 Loan.....	122,405 49	
For redemption of Five Million 6 per cent. 1890 Loan.....	23,486 24	
For redemption of Public Park 6 per cent. 1890 Loan.....	28,000 00	
For redemption of Water 6 per cent. 1875 Loan...	200 00	
For redemption of Consolidated 5 per cent. 1885 Loan.....	1,844 38	
For redemption of One Million 6 per cent. 1886 Loan.....	1,100 00	
For payment to Mayor and City Council for condemnation of land in Druid Hill Park, as per Ordinance 84, 1891.....	59,844 98	
For sundry expenses (detailed in Statement No. 1)	1,303 18	
		901,793 53
Cash in bank to credit of Sinking Funds.....		$73,112 44

2—INVESMENT PURCHASES OF STOCK.

This statement is submitted in obedience to Article XLII, Section 13, of the Baltimore City Code, and exhibits in detail the purchase of stocks amounting to $503,500.00 at an average cost of 109.41 per cent., the total cost of said purchases being.....	$550,884 26

3—THE REDEMPTION AND SINKING FUNDS.

Exhibiting in detail the amount and condition of the investments of the funds as shown by the books of the Commissioners of Finance, as follows:

General Sinking Fund....	$6,921,969 92
Public Park Sinking Fund,	121,462 92
W. M. R. R. 1925 Loan Sinking Fund.....	53,562 15
W. M. R. R. 1927 Loan Sinking Fund.....	113,715 63
W. M. R. R. Terminal Co. Sinking Fund.....	12,319 78
Hillen Station Sinking Fund.....	40,905 53
Water 1926 Loan Sinking Fund.....	91,383 08
Internal Improvement 1928 Loan Sinking Fund	120,807 30
	$7,476,126 31

Am't brought forward..		$7,476,126 31

OTHER PRODUCTIVE INVESTMENTS.

Real estate, as shown in Statement No. 6, from which an annual rental of $10,225.11 is derived, capitalized at six per cent., is worth....	$170,418 50	
550 shares Baltimore and Reisterstown Turnpike stock.....	2,062 50	
137 shares Baltimore and Frederick Turnpike stock.....	456 66	
625 shares Baltimore and Yorktown Turnpike stock.....	5,000 00	
		177,937 66
		$7,654,063 97

UNPRODUCTIVE INVESTMENTS.

Western Maryland R. R. Co's Mortgages, to secure endorsement and loan of City stock.....	$3,579,000 00	
Western Maryland R. R. Co. accrued interest advanced.....	2,812,350 00	
Amounts carried forward.	$6,391,350 00	$7,654,063 97

Am'ts brought forward.		$6,391,350 00	$7,654,063 97
Philadelphia and Reading R. R. 3d preference income bonds		83,000 00	
4,000 shares Western Maryland R. R. stock		200,000 00	
10,000 shares Valley R. R. Co. of Va. stock		1,000,000 00	
			7,674,350 00
			$15,328,413 97

INCREMENT OF THE SINKING FUNDS.

The increment of the sinking funds from December 31, 1890, to December 31, 1891, amounting to			$172,503 23
Was derived thus:			
From interest upon investments		$296,787 55	
From rent of Hillen station	$16,000 00		
Less amount set apart in sinking fund	2,000 00		
		14,000 00	
From rent of W. M. R. R. Terminal Depot	9,181 47		
Less amount set apart in sinking fund	1,311 60		
		7,869 87	
Amount carried forward		$318,657 42	

Am't brought forward..	$318,657 42	
From rental of real estate.	25,424 38	
From premium on sales of stock.....	13,529 40	
From City Collector for Water 1926 Loan Sinking Fund.....	23,291 33	
From City Collector for Internal Improvement Loan Sinking Fund....	62,411 86	
From City Collector for General Sinking Fund..	97,801 37	
		$541,115 76
From which deduct:		
For interest paid on Western Maryland R. R. 1902 Loan.....	$60,000 00	
For interest paid on Western Maryland R. R. 3d mortgage bonds	52,725 00	
For premium on purchases of stock.....	41,189 50	
For redemption of Water 6 per cent. 1875 Loan...	200 00	
For redemption of Consolidated 5 per cent. 1885 Loan.....	1,844 38	
For redemption of One Million 6 per cent. 1886 Loan	1,100 00	
Amounts carried forward.	$157,058 88	$541,115 76

Am'ts brought forward.	$157,058 88	$541,115 76
For redemption of Consolidated 6 per cent. 1890 Loan.....	122,405 49	
For redemption of Public Park 6 per cent. 1890 Loan.....	28,000 00	
For amount paid Mayor and City Council for condemnation of land in Druid Hill Park.....	59,844 98	
For sundry expenses.....	1,303 18	
		368,612 53
		$172,503 23

And disbursed as shown by statement No. 1 of Appendix.

The increment of the funds in 1890 amounted to $751,-131.40, principally for the reason that the proceeds of the sale of 32,500 shares of Baltimore and Ohio Railroad stock, amounting to $3,250,000, less the amount of stock redeemed ($2,681,728.90) were placed in the sinking fund, the increase being from this source $578,271.10.

4—ENOCH PRATT FREE LIBRARY SINKING FUND.

This statement shows the condition of the Enoch Pratt Free Library Sinking Fund on December 31, 1891, under the control of the Commissioners of Finance, who are required "to invest the interest upon the investments in the sinking fund, and the interest upon

the interest, as the same shall be received, in the public debt of the City of Baltimore, until the annual income from said investments shall reach the sum of fifty thousand dollars." (Article XXXVIII A, Section 8, Supplement to City Code, 1885.)

5—THE HORWITZ BENEVOLENT FUND.

This statement shows the condition of the Horwitz Benevolent Fund, under the management of the Commissioners of Finance, who, on December 28, 1888, under authority of Resolution No. 7, of the Mayor and City Council of Baltimore, approved December 8, 1888, accepted from the executors of Orville Horwitz, late of Baltimore City, deceased, the sum of ten thousand dollars, which with its increments, is, in the said last will and testament, directed to be known as the "Horwitz Benevolent Fund."

6—REAL ESTATE AND GROUND RENTS.

The schedule of real estate and ground rents presented in this form for convenience of reference, embraces only so much of the City property as is in control and shown upon the books of this Board, and from which income is derived from rentals.

The income derived from the public wharves and other valuable property being applied to current expenditures, does not appear in these accounts. (City Code, Article XLII, Section 14).

7—FUNDED DEBT AND GUARANTEES.

These issues on December 31, 1891, amounted to..		$32,776,050 95
These issues on December 31, 1890, amounted to..		31,083,787 06
Showing an increase during the year of.....		$1,692,263 89
Thus:		
Amount of Water 4 per cent. 1926 Loan issued..	$ 200,000 00	
Amount of Internal Improvement 3½ per cent. 1928 Loan issued.....	1,669,300 00	
	$1,869,300 00	
Less:		
Amount of various loans redeemed.....	177,036 11	
		$1,692,263 89

INCREASE OF FUNDED DEBT AUTHORIZED.

Jones' Falls Loan, by Ordinance No. 12 of 1870..	$28,000 00	
Internal Improvement Loan, by Ordinance No. 98 of 1888.....	2,030,700 00	
		$2,058,700 00

THE FINANCIAL CONDITION OF THE CORPORATION.

Amount of funded debt December 31st, 1891....	$31,784,050 95	
Amount of guaranteed debt December 31st, 1891....	992,000 00	
		$32,776,050 95
Of this amount, interest is provided or paid as follows:		
Water Board upon	$10,500,000 00	
Park Board upon.... ...	200,000 00	
Union Railroad Company upon.....	117,000 00	
Commissioners of Finance upon	1,875,000 00	
Overdue stock, no interest allowed.....	47,605 23	
		12,739,605 23
Leaving the amount on which interest is paid by taxation at.....		$20,036,445 72

PRODUCTIVE INVESTMENTS.

Mortgage on Union R. R. Co.....	$ 117,000 00	
Value of sinking funds...	7,476,126 31	
550 shares Baltimore and Reisterstown Turnpike Co. stock.....	2,062 50	
Amount carried forward..	$7,595,188 81	

Am't brought forward..		$7,595,188 81	
137 shares Baltimore and Frederick Turnpike Co. stock..		456 66	
625 shares Baltimore and Yorktown Turnpike Co. stock..		5,000 00	
Real Estate, annual rental...	$10,225 11		
Wh'f property, annual rental	38,000 00		
Market Houses, annual rental	50,000 00		
	$98,225 11		
Capatalized at 6 per cent..		$ 1,637,085 16	
			$9,237,730 63

UNPRODUCTIVE INVESTMENTS.

Mortgages of Western Maryland R. R. Co....		$3,579,000 00	
Accrued interest advanced for Western Maryland R. R. Co.....		2,812,350 00	
83,000 Philadelphia and Reading R. R. 3d preference income bonds....		83,000 00	
4,000 shares Western Maryland R. R. stock..		200,000 00	
10,000 shares Valley R. R. Co. of Virginia stock...		1,000,000 00	
			$7,674,350 00

The foregoing statement does not embrace any items connected with current receipts and expenditures, but refers only to the stock and bond liabilities of the Corporation, and to investments specially set apart for the redemption of the same. The accounts now submitted for your consideration exhibit in detail all the transactions of the past fiscal year.

They show the receipts to have been..		$974,905 97
and the disbursements to have been as follows:		
For investment purchases (see Statement No. 2)...	$550,884 26	
For interest paid for W. M. R. R. Co.....	112,725 00	
For redemption of loans..	177,036 11	
For condemnation of land in Druid Hill Park.....	59,844 98	
For sundry expenses.	1,303 18	901,793 53
Balance, amount in bank to credit of funds		$73,112 44

The present value of the sinking fund is..	$7,476,126 31
The value of the same on December 31, 1890, was.....	7,303,623 08
Showing an increase during the past year of.....	$172,503 23

Sales of $1,669,300.00 Internal Improvement 3½ per cent. 1928 Loan were made during the year at a premium of $13,529.40.

A sale of $200,000.00 Water 4 per cent. 1926 Loan was made on November 1, 1891, to the Commissioners of Finance at par.

Respectfully submitted,

FERDINAND C. LATROBE, *Chairman.*
ENOCH PRATT,
W. W. SPENCE,
Commissioners of Finance.

JOHN A. ROBB,
Clerk to Commissioners of Finance.

APPENDIX.

STATEMENT

DR. *The Commissioners of Finance in account*

To balance, amount in bank to credit of the sinking funds, December 31, 1890		$340,825 66
To General Sinking Fund:		
From sales of fractions of stock	$ 74 95	
From interest on stocks and investments	283,789 12	
From rental of real estate.	25,424 38	
From rental of Hillen Station	14,000 00	
From rental of W. Md. R. R. Terminal Depot	7,869 87	
From City Collector by tax levy	97,801 37	
From Balto. & Ohio R. R. Co., account sale Pittsburg & Connellsville R. R. bonds	40,000 00	
		468,959 69
Amount carried forward..		$809,785 35

No. 1.

with the Mayor and City Council of Baltimore. CR.

By General Sinking Fund:

For $15,900 Water 5 per cent. 1894 Loan.....	$16,881 50
For $45,300 Jones' Falls 6 per cent. 1900 Loan	53,654 75
For $43,000 W. Md. R. R. 6 per cent. 1902 Loan...	52,052 25
For $31,200 City Hall 6 per cent. 1902 Loan.....	37,980 00
For $2,000 Jones' Falls $3\frac{65}{100}$ per cent 1900 Loan	2,060 00
For $1,200 Jones' Falls 3 per cent. 1900 Loan	1,158 50
For $800 W. Md. R. R. 3¼ per cent. 1927 Loan	794 00
For $6,700 Funding 6 per cent. 1900 Loan.....	7,989 75
For $4,900 Exempt 6 per cent. 1893 Loan.....	5,181 75
For $900 City Hall 6 per cent. 1900 Loan.....	1,073 25
For $4,300 Water 5 per cent. 1916 Loan	5,385 75
Amount carried forward..	$184,211 50

STATEMENT

DR. *The Commissioners of Finance in account*

Am't brought forward..		$809,785 35
To W. Md. R. R. Terminal Co. Sinking Fund:		
From interest on stocks...	$ 549 00	
From W. Md. R. R. Co. one-seventh rent of depot	1,311 60	
		1,860 60
To Hillen Station Sinking Fund:		
From interest on stocks...	$1,900 00	
From W. Md. R. R. Co. one-eighth rent of station.....	2,000 00	
		3,900 00
To Internal Improvement Loan Sinking Fund:		
From interest on stocks...	$ 3,255 17	
From City Collector by tax levy.....	62,411 86	
From premium on sales of $1,669,300 Internal Improvement 1928 Loan...	13,529 40	
		79,196 43
Amount carried forward..		$894,742 38

No. 1—Continued.

with the Mayor and City Council of Baltimore. CR.

Am't brought forward..	$184,211 50
For $6,500 Funding 5 per cent. 1916 Loan.....	8,141 25
For $1,000 W. Md. R. R. 3d Mortgage Bond.	1,162 50
For $200,000 Water 4 per cent. 1926 Loan.....	200,000 00
For redemption of Consolidated 6 per cent. 1890 Loan.....	122,405 49
For redemption of Water 6 per cent. 1875 Loan...	200 00
For redemption of Consolidated 5 per cent. 1885 Loan..	1,844 38
For redemption of One Million 6 per cent. 1886 Loan	1,100 00
For one year's interest on W. Md. R. R. 6 per cent. 1902 Loan.	60,000 00
For one year's interest on W. Md. R. R. 3d mortgage bonds.....	52,725 00
For printing report and	
Amount carried forward..	$631,790 12

STATEMENT

Dr. *The Commissioners of Finance in account*

Am't brought forward..		$894,742 38
To Water 1926 *Loan Sinking Fund:*		
From interest on stocks...	$ 3,495 26	
From City Collector by tax levy.....	23,291 33	
		26,786 59
To W. Md. R. R. 1925 *Loan Sinking Fund:*		
From interest on stocks...		2,350 50
To W. Md. R. R. 1927 *Loan Sinking Fund:*		
From interest on stocks...		3,897 50
To Enoch Pratt Free Library Sinking Fund:		
From interest on stocks...		46,596 00
To Horwitz Benevolent Fund:		
From interest on stocks...		533 00
Amount carried forward..		$974,905 97

No. 1—Continued.

with the Mayor and City Council of Baltimore. CR.

Am't brought forward..	$631,790 12	
books and plats of City property	900 00	
For clerical services.....	300 00	
		$632,990 12
By Public Park Sinking Fund:		
For condemnation of land in Druid Hill Park	$59,844 98	
For redemption of Public Park 1890 Loan.....	28,000 00	
		87,844 98
By W. Md. R. R. Terminal Co. Sinking Fund:		
For $500 Jones' Falls 6 per cent. 1900 Loan.....	$ 603 13	
For $900 Jones' Falls $3\frac{65}{100}$ per cent. 1900 Loan....	924 75	
For $700 Water 5 per cent. 1894 Loan.....	729 75	
		2,257 63
Am't carried forward...		$723,092 73

STATEMENT

Dr. *The Commissioners of Finance in account*

Amount brought forward.....	$974,905 97
Amount carried forward.....	$974,905 97

No. 1—Continued.

with the Mayor and City Council of Baltimore. CR.

Am't brought forward..		$723,092 73
By Hillen Station Sinking Fund:		
For $1,000 Jones' Falls 6 per cent. 1900 Loan	$1,206 25	
For $800 W. Md. R. R. 6 per cent. 1902 Loan	962 00	
For $300 City Hall 6 per cent. 1902 Loan.....	360 75	
For $200 Water 5 per cent. 1894 Loan.	208 50	
For $1,500 Jones' Falls $3\frac{65}{100}$ per cent. 1900 Loan	1,541 25	
		4,278 75
By Internal Improvement Loan Sinking Fund:		
For $2,900 W. Md. R. R. 1902 6 per cent. Loan..	$3,478 25	
For $3,000 W. Md. R. R. 3½ per cent. 1927 Loan..	2,941 50	
For $200 Consolidated 6 per cent. 1893 Loan....	210 00	
For $3,000 Exempt 6 per cent. 1893 Loan.....	3,172 50	
Amounts carried forward..	$9,802 25	$727,371 48

STATEMENT

Dr. *The Commissioners of Finance in account*

Amount brought forward.....	$974,905 97
Amount carried forward.....	$974,905 97

No. 1—Continued.

with the Mayor and City Council of Baltimore. Cr.

Am'ts brought forward.	$9,802 25	$727,371 48
For $1,200 Jones' Falls 6 per cent. 1900 Loan....	1,401 00	
For $15,200 Water 5 per cent. 1916 Loan.....	19,104 00	
For $5,000 Harford Run 4 per cent. 1920 Loan...	5,462 50	
For $16,000 W. Md. R. R. 4 per cent. 1925 Loan...	17,640 00	
For $2,200 Water 5 per cent. 1894 Loan.....	2,293 50	
For $2,400 Funding 6 per cent. 1900 Loan.....	2,838 00	
For $5,300 Jones' Falls 6 per cent. 1900 Loan....	6,293 75	
For $3,700 Jones' Falls $3\frac{65}{100}$ per cent. 1900 Loan	3,801 75	
For $300 City Hall 6 per cent. 1900 Loan.....	351 75	
For advertising.....	103 18	
		69,091 68
Amount carried forward..		$796,463 16

STATEMENT

Dr. *The Commissioners of Finance in account*

Amount brought forward.....	$974,905 97
Amount carried forward.....	$974,905 97

No. 1—Continued.

with the Mayor and City Council of Baltimore. CR.

Am't brought forward..		$796,463 16
By Water 1926 *Loan Sinking Fund:*		
For $4,600 Jones' Falls 6 per cent. 1900 Loan....	$5,490 63	
For $700 Park Improvement 6 per cent. 1895 Loan.....	761 25	
For $800 Funding 6 per cent. 1900 Loan.....	938 00	
For $5,700 Water 5 per cent. 1894 Loan.....	6,134 75	
For $3,500 Water 5 per cent. 1894 Loan.....	3,771 25	
For $4,000 W. Md. R. R. 3½ per cent. 1927 Loan..	3,966 00	
For $1,100 City Hall 6 per cent. 1900 Loan.....	1,300 75	
For $4,300 W. Md. R. R. 3½ per cent. 1927 Loan..	4,257 00	
		26,619 63
Amount carried forward..		$823,082 79

STATEMENT

Dr. *The Commissioners of Finance in account*

Amount brought forward.....	$974,905 97
Amount carried forward.....	974,905 97

No. 1—Continued.

with the Mayor and City Council of Baltimore. CR.

Am't brought forward..		$823,082 79
By W. Md. R. R. 1925 Loan Sinking Fund:		
For $800 Jones' Falls $3\frac{65}{100}$ per cent. 1900 Loan....		822 00
By W. Md. R. R. 1927 Loan Sinking Fund:		
For $2,900 Jones' Falls 6 per cent. 1900 Loan....	$3,489 12	
For $2,000 W. Md. R. R. 3d Mortgage Bonds....	2,255 00	
		5,744 12
By Enoch Pratt Free Library Sinking Fund:		
For $3,400 Jones' Falls 6 per cent. 1900 Loan....	$3,993 25	
For $2,000 Water 5 per cent. 1894 Loan.....	2,100 88	
For $4,200 Exempt 6 per cent. 1893 Loan.....	4,525 50	
For $2,700 Jones' Falls 5 per cent. 1900 Loan....	2,909 25	
Amounts carried forward.	$13,528 88	$829,648 91

STATEMENT

Dr. *The Commissioners of Finance in account*

Amount brought forward.....	$974,905 97

$974,905 97

No. 1—Continued.

with the Mayor and City Council of Baltimore. Cr.

Am'ts brought forward..	$13,528 88	$829,648 91
For $9,500 Consolidated 6 per cent. 1893 Loan....	10,060 00	
For $2,400 City Hall 6 per cent. 1900 Loan.....	2,811 00	
For $900 Funding 6 per cent. 1900 Loan.....	1,051 25	
For $2,000 City Hall 6 per cent. 1900 Loan.....	2,415 00	
For $1,000 W. Md. R. R. 6 per cent. 1902 Loan...	1,212 50	
For $14,700 City Hall 6 per cent. 1900 Loan....	17,235 75	
		$48,314 38
By Horwitz Benevolent Fund:		
For $300 Jones' Falls 6 per cent. 1900 Loan....		344 00
By Redemption of Five Million 1890 *Loan:*		
For redemption of Loan...		23,486 24
By balance, amount in bank December 31st, 1891.....		73,112 44
		$974,905 97

STATEMENT No. 2.

"The Commissioners of Finance shall invest in City stock all moneys in their hands, or to their credit in bank, received for the sale or rent of City property, pledged for the redemption of the public debt; and shall also invest all moneys that may hereafter be received from the above mentioned sources, as well as all interest accruing thereon, from time to time, and report to the City Council the amounts purchased, and the dates and prices at which they were purchased." (Article XLII, Section 13, City Code.)

DATE.	SINKING FUND.	AMOUNT PURCHASED.	DESCRIPTION OF STOCK.	AMOUNT PAID.
1891.				
Jan. 8	W. Md. 1925 Loan...	$2,400 00	Jones' Falls 6 per ct. 1900 Loan.	$2,886 00
" 10	" Terminal Co.	500 00	" 6 " 1900 "	603 13
" 10	" 1927 Loan...	500 00	" 6 " 1900 "	603 12
" 10	Hillen Station.....	1,000 00	" 6 " 1900 "	1,206 25
" 10	Water 1926 Loan....	3,100 00	" 6 " 1900 "	3,739 38
" 10	Horwitz Benev. Fund	200 00	" 6 " 1900 "	241 25
" 10	Pratt Library.....	600 00	" 6 " 1900 "	723 75
" 10	" "	900 00	Water 5 per ct. 1894 Loan.....	945 00
" 10	" "	4,200 00	Exempt 6 per ct. 1893 Loan....	4,525 50
" 16	" "	400 00	Water 5 per ct. 1894 Loan.....	420 00
" 27	Internal Impt. Loan.	1,000 00	W. Md. 6 per ct. 1902 Loan....	1,202 50
" 28	" " "	1,000 00	" 6 " 1902 "	1,202 50

Feb. 3	Internal Impt. Loan.	2,400 00	W. Md. 3¼ per ct. 1927 Loan...	2,346 00	
" 4	General	3,700 00	Water 5 per ct. 1894 Loan.....	3,903 50	
" 6	"	16,600 00	Jones' Falls 6 per ct. 1900 Loan.	19,712 50	
" 7	"	15,000 00	W. Md. 6 per ct. 1902 Loan....	18,037 50	
" 7	"	200 00	City Hall 6 per ct. 1902 Loan...	240 50	
" 7	"	2,000 00	Water 5 per ct. 1894 Loan.....	2,115 00	
" 7	"	1,000 00	Jones' Falls $3\frac{65}{100}$ p. ct. 1900 Loan	1,027 50	
" 14	"	25,600 00	W. Md. 6 per ct. 1902 Loan....	31,104 00	
" 18	"	30,000 00	City Hall 6 per ct. 1900 Loan...	36,525 00	
" 19	"	1,500 00	W. Md. 6 per ct. 1902 Loan....	1,815 00	
" 19	"	400 00	City Hall 6 per ct. 1900 Loan...	484 00	
" 28	"	200 00	Jones' Falls 3 per ct. 1900 Loan.	196 00	
" 28	"	800 00	W. Md. 3¼ per ct. 1927 Loan...	794 00	
Mar. 2	Internal Impt. Loan.	600 00	" 3¼ " 1927 " ...	595 50	
" 2	" " "	200 00	Consolidated 6 per ct. 1893 Loan	210 00	
" 2	General	6,700 00	Funding 6 per ct. 1900 Loan....	7,989 75	
" 5	"	4,900 00	Exempt 6 per ct. 1893 Loan....	5,181 75	
" 5	"	600 00	City Hall 6 per ct. 1902 Loan...	730 50	
" 5	"	900 00	W. Md. 6 per ct. 1902 Loan....	1,095 75	
" 5	"	900 00	City Hall 6 per ct. 1900 Loan...	1,073 25	
" 5	"	900 00	Jones' Falls 6 per ct. 1900 Loan.	1,068 75	
" 5	General	10,200 00	Water 5 per ct. 1894 Loan.....	10,863 00	
June 4	Pratt Library.....	2,700 00	Jones' Falls 5 per ct. 1900 Loan.	2,909 25	
	Am'ts carried for'd..	$143,800 00		$168,316 38	

STATEMENT No. 2—Continued.

DATE.	SINKING FUND	AMOUNT PURCHASED	DESCRIPTION OF STOCK.	AMOUNT PAID
1891.				
	Am'ts broug't for'd.	$143,800 00		$168,316 38
June 4	Pratt Library	4,000 00	Consolidated 6 per ct 1893 Loan	4,230 00
" 4	"	2,600 00	Jones' Falls 6 per ct. 1900 Loan.	3,035 50
" 5	"	5,500 00	Consolidated 6 per ct. 1893 Loan	5,830 00
" 5	"	300 00	City Hall 6 per ct. 1900 Loan ..	350 25
" 9	Internal Imp't Loan.	3,000 00	Exempt 6 per ct. 1893 Loan.....	3,172 50
" 10	" "	1,200 00	Jones' Falls 6 per ct. 1900 Loan.	1,401 00
" 10	Water 1926 Loan ...	1,500 00	" 6 " 1900 "	1,751 25
" 10	" ...	800 00	Funding 6 per ct. 1900 Loan....	938 00
" 10	" ...	700 00	Park Imp't 6 per ct. 1895 Loan.	761 25
" 24	General	4,300 00	Water 5 per ct 1916 Loan.....	5,385 75
" 24	"	6,500 00	Funding 5 per ct. 1916 Loan....	8,141 25
" 24	"	1,000 00	Jones' Falls $3\frac{65}{100}$ p. ct. 1900 Loan	1,032 50
" 24	"	1,000 00	W. M. R. R. 3d mortgage bond.	1,162 50
" 29	Internal Imp't Loan.	5,000 00	Harford Run 4 p. ct. 1920 Loan.	5,462 50
" 29	" " .	16,000 00	W. M. R. R. 4 p. ct. 1925 Loan.	17,640 00
" 29	" " .	2,200 00	Water 5 p. ct. 1894 Loan.....	2,293 50
" 29	" " .	2,000 00	" 5 " 1916 "	2,505 00

Jun 29	General	27,800 00	Jones' Falls 6 p. ct 1900 Loan	32,873 50
July 1	Internal Imp't Loan	900 00	W. M. R R. 6 p. ct. 1902 Loan	1,073 25
" 2	" "	13,200 00	Water 5 p. ct. 1916 Loan	16,599 00
" 2	" "	2,400 00	Funding 6 p. ct. 1900 Loan	2,838 00
" 6	Water 1926 Loan	200 00	Water 5 p ct. 1894 Loan	208 50
" 6	Hillen Station	800 00	W. M. R. R. 6 p. ct. 1902 Loan	962 00
" 6	" "	300 00	City Hall 6 p. ct. 1902 Loan	360 75
" 6	" "	200 00	Water 5 p. ct. 1894 Loan	208 50
" 6	W. M. R. R. Ter. Co.	200 00	" 5 " 1894 "	208 50
" 7	" "	200 00	" 5 " 1894 "	208 50
" 8	" "	300 00	" 5 " 1894 "	312 75
" 11	W. M. 1927 Loan	2,000 00	W. M. R. R. 3d mortgage bonds	2,255 00
" 13	Pratt Library	400 00	Funding 6 p. ct. 1900 Loan	465 00
" 14	" "	1,000 00	City Hall 6 p. ct. 1902 Loan	1,202 50
" 14	" "	800 00	" 6 " 1900 "	930 00
" 23	" "	1,000 00	" 6 " 1902 "	1,212 50
" 23	" "	1,000 00	W. M. R. R. 6 p. ct. 1902 Loan	1,212 50
" 28	" "	800 00	City Hall 6 p. ct. 1900 Loan	942 00
" 29	" "	400 00	" 6 " 1900 "	471 00
Aug. 4	" "	700 00	Water 5 p ct. 1894 Loan	735 88
" 4	Pratt Library	100 00	City Hall 6 p. ct. 1900 Loan	117 75
" 5	" "	200 00	Jones' Falls 6 p. ct. 1900 Loan	234 00
Sep 16	Water 1926 Loan	5,000 00	Water 5 p. ct. 1894 Loan	5,387 50
	Am'ts carried for'd	$261,300 00		$304,428 01

STATEMENT No. 2—Continued.

DATE	SINKING FUND	AMOUNT PURCHASED	DESCRIPTION OF STOCK.	AMOUNT PAID
1891.				
	Am'ts broug't for'd.	$261,300 00		$304,428 01
Sep. 16	Water 1926 Loan ...	3,600 00	W. M. R. R. 3¼ p. ct. 1927 Loan.	3,573 00
" 19	" "	200 00	" 3¼ " 1927 " .	198 50
" 19	" "	500 00	Water 5 p. ct. 1894 Loan.....	538 75
" 29	" "	3,500 00	" 5 " 1894 "	3,771 25
Oct. 2	" "	1,100 00	City Hall 6 p. ct. 1900 Loan....	1,300 75
" 3	" "	200 00	W. M. R. R. 3¼ p. ct. 1927 Loan	194 50
Nov. 2	General	200,000 00	Water 4 p. ct. 1926 Loan.....	200,000 00
" 20	"	1,000 00	Jones' Falls 3 p. ct. 1900 Loan..	962 50
Dec. 7	Water 1926 Loan....	4,300 00	W. M. R. R. 3¼ p. ct. 1927 Loan	4,257 00
" 7	Internal Imp't Loan.	5,300 00	Jones' Falls 6 p. ct. 1900 Loan..	6,293 75
" 7	" "	3,700 00	" $3\frac{65}{100}$ p. ct. 1900 Loan	3,801 75
" 7	Hillen Station.....	1,500 00	" $3\frac{65}{100}$ " 1900 "	1,541 25
" 7	W. M R. R. Ter. Co.	900 00	" $3\frac{65}{100}$ " 1900 "	924 75
" 7	W. M. 1925 Loan....	800 00	" $3\frac{65}{100}$ " 1900 "	822 00
" 7	Horwitz Ben't Fund.	100 00	" $3\frac{65}{100}$ " 1900 "	102 75
" 8	Pratt Library.....	10,000 00	City Hall 6 p. ct. 1900 Loan....	11,725 00
" 8	" "	500 00	" 6 " 1900 "	586 25

Dec. 9	Pratt Library	4,700 00	City Hall 6 p. ct. 1902 Loan....		5,510 75
" 9	Internal Imp't Loan.	300 00	" 6 " 1900 "		351 75
		$503,500 00			$550,884 26

STATEMENT No. 2—Concluded.

RECAPITULATION.

SINKING FUND.	AMOUNT PURCHASED.	DESCRIPTION OF STOCK.	AMOUNT PAID.
General	$133,000 00	Six per cent. loans	$159,094 25
"	26,700 00	Five per cent. loans	30,408 50
"	200,000 00	Four per cent. loans	200,000 00
"	1,200 00	Three per cent. loans	1,158 50
"	2,000 00	Three $\frac{65}{100}$ per cent. loans	2,060 00
"	800 00	Three $\frac{25}{100}$ per cent. loans	794 00
Water 1926 Loan	7,200 00	Six per cent. loans	8,490 63
" 1926 "	9,200 00	Five per cent. loans	9,906 00
" 1926 "	8,300 00	Three $\frac{25}{100}$ per cent. loans	8,223 00
Horwitz Benevolent	300 00	Six per cent. loans	344 00
W. Md. 1925 Loan	800 00	Three $\frac{65}{100}$ per cent. loans	822 00
" 1927 "	4,900 00	Six per cent. loans	5,744 12
" Terminal Co	500 00	Six per cent. loans	603 13
" " "	700 00	Five per cent. loans	729 25
" " "	900 00	Three $\frac{65}{100}$ per cent. loans	924 75
Hillen Station	2,100 00	Six per cent. loans	2,529 00
"	200 00	Five per cent. loans	208 50

Hillen Station	1,500 00	Three $\frac{65}{100}$ per cent. loans	1,541 25
Internal Impt 1928 Loan	15,300 00	Six per cent. loans	17,745 25
" " 1928 "	17,400 00	Five per cent. loans	21,397 50
" " 1928 "	21,000 00	Four per cent. loans	23,102 50
" " 1928 "	3,700 00	Three $\frac{65}{100}$ per cent. loans	3,801 75
" " 1928 "	3,000 00	Three $\frac{25}{100}$ per cent. loans	2,941 50
Enoch Pratt Free Library	38,100 00	Six per cent. loans	43,304 25
" "	4,700 00	Five per cent. loans	5,010 13
	$503,500 00		$550,884 26

STATEMENT No. 3.

Condition of Sinking Funds December 31, 1891.

General Sinking Fund:		
City Hall 6 per cent. 1900 Loan	$71,100 00	
City Hall 6 per cent. 1902 Loan	44,600 00	
Funding 6 per cent. 1900 Loan	143,000 00	
Western Maryland Railroad 6 per cent. 1902 Loan	75,500 00	
Park Improvement 6 per cent. 1895 Loan	92,158 80	
Consolidated 6 per cent. 1893 Loan	1,404,841 38	
Jones' Falls 6 per cent. 1900 Loan	51,700 00	
Exempt 6 per cent. 1893 Loan	6,153 87	
		$1,889,054 05
Water 5 per cent. 1894 Loan	$687,300 00	
Water 5 per cent. 1916 Loan	139,500 00	
Jones' Falls 5 per cent. 1900 Loan	215,500 00	
Amounts carried forward.	$1,042,300 00	$1,889,054 05

STATEMENT No. 3—Continued.

Am'ts brought forward,	$1,042,300 00	$1,889,054 05
Funding 5 per cent. 1916 Loan	30,700 00	1,073,000 00
Harford Run 4 per cent. 1920 Loan	$50,000 00	
Western Maryland Railroad 4 per cent. 1925 Loan	125,800 00	
Patterson Park 4 per cent. 1920 Loan	5,000 00	
Water 4 per cent. 1926 Loan	641,000 00	
Paving 4 per cent. 1920 Loan	31,000 00	
Harford Run 4 per cent. 1904 Loan	1,700 00	854,500 00
Jones' Falls $3\frac{65}{100}$ per cent. 1900 Loan		11,400 00
Jones' Falls $3\frac{1}{2}$ per cent. 1900 Loan	$160,000 00	
Internal Improvement $3\frac{1}{2}$ per cent. 1928 Loan	303,600 00	
Consolidated $3\frac{1}{2}$ per cent. 1930 Loan	163,521 39	627,121 39
Amount carried forward..		$4,455,075 44

STATEMENT No. 3—Continued.

Am't brought forward..	$4,455,075 44
Western Maryland Railroad 3¼ per cent. 1927 Loan.....	662,400 00
Jones' Falls 3 per cent. 1900 Loan	52,200 00
Union Railroad 6 per cent. 1st mortgage bonds.....	87,500 00
Western Maryland Railroad 6 per cent. 1st mortgage bonds..	43,500 00
Western Maryland Railroad 6 per cent. 3d mortgage bonds (registered).	234,000 00
Western Maryland Railroad 6 per cent. 3d mortgage bonds (coupon)....	78,500 00
Western Maryland Railroad 6 per cent. 2d preferred mortgage bonds (coupon)	178,500 00
Western Maryland Railroad funding certificates	226,530 00
Western Maryland Railroad unendorsed coupons off 1st mortgage bonds..	71,742 00
Amount carried forward..	$6,089,947 44

STATEMENT No. 3—Continued.

Am't brought forward..		$6,089,947 44
Hillen Station property...	$200,000 00	
Less amount of Sinking Fund for the repayment of cost thereof.....	40,905 53	
		159,094 47
Amount invested in depot of the Western Maryland Railroad Terminal Company, as per Ordinance No. 92 of 1882.....	$131,163 81	
Less amount of Sinking Fund set apart for the repayment of same.....	12,319 78	
		118,844 03
Amount due by Baltimore and Ohio Railroad Company on account of obligation received for claim against the Pittsburg and Connellsville Railroad Company, as per Ordinance No. 47 of 1875....		360,000 00
Ground rents, purchased under Ordinance No. 81 of 1881.....		268,235 27
		$6,996,121 21
Less cash over invested...		74,151 29
		$6,921,969 92

STATEMENT No. 3—Continued.

Public Park Sinking Fund:		
Cash		$121,462 92
Western Maryland Railroad 1925 *Loan Sinking Fund:*		
City Hall 6 per cent. 1900 Loan	$3,300 00	
City Hall 6 per cent. 1902 Loan	2,700 00	
Funding 6 per cent. 1900 Loan	2,000 00	
Western Maryland Railroad 6 per cent. 1902 Loan	2,600 00	
Jones' Falls 6 per cent. 1900 Loan	100 00	
		10,700 00
Western Maryland Railroad 6 per cent. third mortgage bond		500 00
Water 5 per cent. 1916 Loan	$4,900 00	
Water 5 per cent. 1894 Loan	2,900 00	
		7,800 00
Amount carried forward..		$19,000 00

STATEMENT No. 3—Continued.

Am't brought forward..		$19,000 00
Western Maryland Railroad 4 per cent. 1925 Loan.....		21,800 00
Jones' Falls $3\frac{65}{100}$ per cent. 1900 Loan.....		800 00
Consolidated $3\frac{1}{2}$ per cent. 1930 Loan.....		11,900 00
Cash.....		62 15
		$53,562 15
Western Maryland Railroad 1927 *Loan Sinking Fund:*		
City Hall 6 per cent. 1900 Loan.....	$ 700 00	
City Hall 6 per cent. 1902 Loan.....	400 00	
Funding 6 per cent. 1900 Loan.....	700 00	
Jones' Falls 6 per cent. 1900 Loan.....	3,000 00	
W. Md. R. R. 6 per cent. 1902 Loan.....	1,500 00	
		$6,300 00
Amount carried forward..		$6,300 00

STATEMENT No. 3—Continued.

Am't brought forward..		
W. Md. R. R. 6 per cent. third mortgage bonds....		4,500 00
Water 5 per cent. 1916 Loan.....	$1,000 00	
Water 5 per cent. 1894 Loan.....	200 00	
		1,200 00
W. Md. R. R. 3¼ per cent. 1927 Loan.....		100,000 00
Consolidated 3½ per cent. 1930 Loan.....		1,700 00
Cash.....		15 63
		$113,715 63
Hillen Station Sinking Fund:		
City Hall 6 per cent. 1900 Loan.....	$2,900 00	
Consolidated 6 per cent. 1893 Loan.....	100 00	
Western Maryland Railroad 6 per cent. 1902 Loan.....	5,200 00	
Funding 6 per cent. 1900 Loan.....	1,000 00	
Amount carried forward..	$9,200 00	

STATEMENT No. 3—Continued.

Am't brought forward..	$9,200 00	
Jones' Falls 6 per cent. 1900 Loan.....	1,400 00	
Park Improvement 6 per cent. 1895 Loan.....	1,000 00	
City Hall 6 per cent. 1902 Loan.....	300 00	
		$11,900 00
Western Maryland Railroad 6 per cent. third mortgage bond.....		500 00
Jones' Falls 5 per cent. 1900 Loan.....	$8,000 00	
Water 5 per cent. 1894 Loan.....	7,300 00	
Funding 5 per cent. 1916 Loan.....	1,900 00	
Water 5 per cent. 1916 Loan.....	1,700 00	
		18,900 00
Paving 4 per cent. 1920 Loan.....		3,000 00
Consolidated 3½ per cent. 1930 Loan.....		4,500 00
Jones' Falls 3 $\frac{65}{100}$ 1900 Loan.....		1,500 00
Cash.....		605 53
		$40,905 53

STATEMENT No. 3—Continued.

Western Maryland Railroad Terminal Company Sinking Fund:		
Consolidated 6 per cent. 1893 Loan	$ 100 00	
City Hall 6 per cent. 1900 Loan	1,000 00	
City Hall 6 per cent. 1902 Loan	100 00	
W. Md. R. R. 6 per cent. 1902 Loan	1,100 00	
Funding 6 per cent. 1900 Loan	1,000 00	
Jones' Falls 6 per cent. 1900 Loan	800 00	
		$4,100 00
W. Md. R. R. 6 per cent. 1900 third mortgage bond		1,000 00
Water 5 per cent. 1916 Loan	$1,600 00	
Water 5 per cent. 1894 Loan	1,300 00	
		2,900 00
Consolidated 3½ per cent. 1930 Loan		3,300 00
Jones' Falls $3\frac{65}{100}$ per cent. 1900 Loan		900 00
Cash		119 78
		$12,319 78

STATEMENT No. 3—Continued.

Water 1926 *Loan Sinking Fund:*		
City Hall 6 per cent. 1900 Loan	$3,400 00	
City Hall 6 per cent. 1902 Loan	1,900 00	
Funding 6 per cent. 1900 Loan	17,200 00	
Jones' Falls 6 per cent. 1900 Loan	5,000 00	
Consolidated 6 per cent. 1893 Loan	1,000 00	
Park Improvement 6 per cent. 1895 Loan	700 00	
		$29,200 00
Water 5 per cent. 1894 Loan	$21,600 00	
Water 5 per cent. 1916 Loan	2,200 00	
Jones' Falls 5 per cent. 1900 Loan	100 00	
		23,900 00
Consolidated 3½ per cent. 1930 Loan		25,300 00
Western Maryland Railroad 3¼ per cent. 1927 Loan		9,800 00
Cash		3,183 08
		$91,383 08

STATEMENT No. 3—Continued.

Internal Improvement Loan Sinking Fund:		
Jones' Falls 6 per cent. 1900 Loan	$9,400 00	
Funding 6 per cent. 1900 Loan	4,800 00	
City Hall 6 per cent. 1900 Loan	6,200 00	
Park Improvement 6 per cent. 1895 Loan	865 00	
Western Maryland Railroad 6 per cent. 1902 Loan	2,900 00	
Consolidated 6 per cent. 1893 Loan	200 00	
Exempt 6 per cent. 1893 Loan	3,000 00	
		$27,365 00
Water 5 per cent. 1916 Loan	$33,600 00	
Funding 5 per cent. 1916 Loan	5,800 00	
Water 5 per cent. 1894 Loan	9,300 00	
		48,700 00
Amount carried forward...		$76,065 00

STATEMENT No. 3—Continued.

Am't brought forward..		$76,065 00
Harford Run 4 per cent.		
1920 Loan.....	6,000 00	
W. Md. R. R. 4 per cent.		
1925 Loan.....	16,000 00	
		22,000 00
W. Md. R. R. 3¼ per cent.		
1927 Loan.....		9,600 00
Jones' Falls $3\frac{65}{100}$ per cent.		
1900 Loan.....		3,700 00
Cash.....		9,442 30
		$120,807 30

STATEMENT No. 3—Concluded.

RECAPITULATION.

General Sinking Fund	$6,921,969 92
Public Park Sinking Fund	121,462 92
W. Md. R. R. 1925 Loan Sinking Fund,	53,562 15
W. Md. R R. 1927 Loan Sinking Fund,	113,715 63
Hillen Station Sinking Fund	40,905 53
W. Md. R. R. Terminal Co. Sinking Fund	12,319 78
Water 1926 Loan Sinking Fund	91,383 08
Internal Improvement Loan Sinking Fund	120,807 30
	$7,476,126 31

STATEMENT No. 4.

Condition of Enoch Pratt Free Library Sinking Fund, held in trust by the Commissioners of Finance, as per Ordinance No. 64 of 1883, on December 31st, 1891.

Funding 6 per cent. 1900 Loan	$ 6,800 00	
City Hall 6 per cent. 1900 Loan	35,700 00	
City Hall 6 per cent. 1902 Loan	6,500 00	
Western Maryland Railroad 6 per cent. 1902 Loan	8,600 00	
Consolidated 6 per cent. 1893 Loan	14,900 00	
Park Improvement 6 per cent. 1895 Loan	700 00	
Jones' Falls 6 per cent. 1900 Loan	11,300 00	
Exempt 6 per cent. 1893 Loan	4,200 00	
		$88,700 00
Western Maryland Railroad 6 per cent. 3d mortgage registered bonds		10,000 00
Water 5 per cent. 1916 Loan	$54,300 00	
Funding 5 per cent. 1916 Loan	2,500 00	
Am't carried forward		$98,700 00

STATEMENT No. 4—Concluded.

Am't brought forward..		$98,700 00
Jones' Falls 5 per cent. 1900 Loan.....	81,200 00	
Water 5 per cent. 1894 Loan.....	22,900 00	
		160,900 00
Paving 4 per cent. 1920 Loan.....	62,300 00	
Patterson Park 4 per cent. 1920 Loan.....	195,000 00	
Water 4 per cent. 1922 Loan.....	500,000 00	
Western Maryland Railroad 4 per cent. 1925 Loan.....	1,700 00	
		759,000 00
Consolidated 3½ per cent. 1930 Loan.....		111,700 00
Cash.....		62 19
		$1,130,362 19

STATEMENT No. 5.

Condition of the Horwitz Benevolent Fund, held by the Commissioners of Finance, as per Resolution No. 7, of the Mayor and City Council of Baltimore, approved December 7, 1888, on December 31, 1891.

Funding 6 per cent. 1900 Loan	$1,800 00	
City Hall 6 per cent. 1900 Loan	1,300 00	
W. Md. R. R. 6 per cent. 1902 Loan	5,300 00	
Jones' Falls 6 per cent. 1900 Loan	200 00	
		$8,600 00
Water 5 per cent. 1916 Loan		100 00
W. Md. R. R. 4 per cent. 1925 Loan		300 00
Jones' Falls $3\frac{65}{100}$ per cent. 1900 Loan		100 00
Cash		235 50
		$9,335 50

STATEMENT No. 6.

A Schedule of Real Estate and Ground Rents upon the Books of the Commissioners of Finance.

LESSEES.	LOCATION OF LOTS.	ANNUAL RENTAL.
Swain & Banks	Nos. 9, 10, 11 and 12 President street	$452 25
C. S. Maltby	Nos. 24, 25, 26, 27, 28, 29 and 30 south side Block street	910 88
C. S. Maltby	Nos. 5, 6, 7 and 8 north side of Block street.	293 60
Sisters of Mercy	Calvert Street Spring lot	1,000 00
Baltimore and Philadelphia Steamboat Co	200 feet of Pratt street wharf	3,600 00
Platt & Co	Fish house property, south side of basin	1,457 00
John G. Huck	Light street, corner Weyler street	75 70
Wilson & Hunting	Nos. 5, 6, 7 and 8 west side President street.	502 50
George Hickman	Southwest corner Fayette and Arch streets.	52 00
Boys' Home Society	Northwest corner Calvert & Pleasant streets.	50 00
James Clark & Co	City Yard property	497 25
Baltimore Dredging Co	City Yard property	480 00
E. S. Sauble	Battery avenue	157 50
Sophia M. Kelly	Nos. 1, 2, 3, 4, 5 and 6 Weyler street	150 00
Aaron Hess	No. 7 Weyler street	33 60

John F. Weyler	No. 8 " "		19 20
James Baumgarten	No. 9 " "		26 32
William Kleinhenn	No. 10 " "		26 32
A. Young & Son	Nos. 11 and 12 Weyler street		52 64
Charles N. Oehm	No. 13 Weyler street		26 32
H. Klasmeier	No. 14 " "		25 48
Catherine Karch	No. 15 " "		26 32
Mary A. Steen	Nos. 17 and 18 Weyler street		52 64
F. Kull	No. 19 Weyler street		19 20
George Wimmer	No. 20 " "		20 32
E. Snellenberg	Nos. 21 and 22 Weyler street		54 49
J. A. J. Goetz	No. 23 Weyler street		29 60
F. Schott	No. 29 " "		26 32
August Pfeil	Light and Weyler streets		78 06
August Pfeil	No. 25 Weyler street		29 60
			$10,225 11

Purchased by authority of Ordinance No. 81, *of* 1881.

Balto. Belt Railroad Company	Park avenue near Preston street	$ 549 00	
Comm'ers Public Schools	Hollins and Monroe streets	750 00	
" " "	Howard & Little Montgomery sts.	120 00	
" " "	Pennsylvania ave. and Robert st.	86 00	
	Amounts carried forward	$1,505 00	$10,225 11

STATEMENT No. 6—Concluded.

Lessees.	Location of Lots.		Annual Rental.
	Amounts brought forward	$1,505 00	$10,225 11
Comm'ers Public Schools.....	Waesche street near Fremont st...	480 00	
" " "	Castle street	209 25	
" " "	Hanover and Lee streets	210 00	
" " "	Sharp and West streets.....	570 00	
" " "	Argyle avenue near Lanvale st ...	120 00	
" " "	Hull and Clement streets.....	350 00	
" " "	Linden avenue and Wilson street.	840 00	
" " "	Charles and Ostend streets	372 50	
" " "	Ann and Chase streets.....	501 75	
" " "	Howard street, opposite Centre st.	1,000 00	
" " "	Preston and Eden streets.....	80 00	
" " "	Broadway and Bank street.....	200 00	
" " "	Mosher and Gilmor streets... ...	757 00	
Mayor and City Council.....	Monument and Chester streets....	1,200 00	
" " " "	Collington Square.....	960 00	
" " " "	Perkins' Spring Square.....	2,052 0(	
" " " "	Riverside Park.....	3,770 62	

Mayor and City Council.....	Holliday and Fayette streets.....	56 00		
M " " " "	Lexington and Paca streets	228 00		
	(Purchased at a cost of $268,235.27)		15,462 12	
			$25,687 23	

STATEMENT. No. 7.

Funded Debt December 31st, 1891.

Name of Loan.	Rate.	When Redeemable.	Amount.
Exempt	6		
Water	5 per cent.	At pleasure after Sept. 1, 1893	$410,353 87
"	6 " "	" " July 1, 1894	263,000 00
"	5 " "	" " July 1, 1894	3,737,000 00
"	5 " "	" " July 1, 1916	5,000,000 00
"	4 " "	" " Nov. 1, 1922	500,000 00
Funding	4 " "	" " Nov. 1, 1926	1,000,000 00
"	6 " "	" " July 1, 1900	800,000 00
Harford Run Imp	5 " "	" " July 1, 1916	1,000,000 00
Paving	rovement. 4 " "	" " Jan. 1, 1920	250,000 00
Consolidated	4 " "	" " Nov. 1, 1920	500,000 00
"	$3\frac{1}{2}$ " "	" " July 1, 1930	5,000,000 00
Park Improv	6 " "	September 1, 1893	2,211,068 05
Jones' Falls	ement 6 " "	January 1, 1895	185,723 80
" "	6 " "	April 9, 1900	800,000 00
"	5 " "	" 9, 1900	957,000 00
" "	$3\frac{65}{100}$ per ct.	" 9, 1900	455,000 00
" "	$3\frac{1}{2}$ per cent.	" 9, 1900	160,000 00
City "	3 " "	" 9, 1900	100,000 00
Hall	6 " "	" 15, 1900	1,000,000 00

City Hall	6½	per cent.	March 7, 1902	500,000 00
Western Maryland Railroad	6	" "	January 1, 1902	1,000,000 00
" " "	4	" "	July 1, 1925	684,000 00
" " "	3¼	" "	January 1, 1927	1,704,000 00
Internal Improvement	3½	" "	July 1, 1928	2,969,300 00
Harford Run Sewer	4	" "	November 3, 1904	350,000 00
Patterson Park Extension	4	" "	October 1, 1920	200,000 00
Overdue Stock	6	" "	No interest allowed	482 00
Water, 1875	6	" "	" "	540 00
One Million, 1886	6	" "	" "	630 50
Consolidated, 1890	6	" "	" "	32,378 08
Five Million, 1890	6	" "	" "	12,074 65
Public Park, 1890	6	" "	" "	1,500 00
				$31,784,050 95

GUARANTEED DEBT.

Western Maryland R. R. third mortgage bonds	$875,000 00	
Union Railroad Company first mortgage bonds	117,000 00	
		992,000 00
Total funded and guaranteed debt		$32,776,050 95

STATEMENT No. 8.

Balance Sheet of Sinking Funds' Ledger December 31st, 1891.

	Dr.	Cr.
General Sinking Fund...	$74,151 29	
Public Park Sinking Fund		121,462 92
Western Maryland R. R. Terminal Co. Sinking Fund.....		119 78
Western Maryland R. R. 1925 Loan Sinking Fund		62 15
Western Maryland R. R. 1927 Loan Sinking Fund		15 63
Hillen Station Sinking F'd		605 53
Inter. Impt. 1928 Loan Sinking Fund.....		9,442 30
Water 1926 Loan Sinking Fund		3,183 08
Enoch Pratt Free Library Sinking Fund		62 19
Horwitz Benevolent Fund.		235 50
Redemption of Five Million 1890 Loan.....		12,074 65
Balance.....	73,112 44	
	$147,263 73	$147,263 73

STATEMENT No. 9.

Indebtedness of the Western Maryland Railroad Company to the Mayor and City Council of Baltimore, December 31, 1891.

First Mortgage Bonds due January 1, 1890, held by the Commissioners of Finance	$43,500 00	
Interest thereon from July 1, 1889, to date	6,525 00	
		$50,025 00
Second Preferred Mortgage Bonds, held by the Commissioners of Finance	$178,500 00	
Interest thereon from July 1, 1889, to date	26,775 00	
		$205,275 00
Accrued interest to January 1, 1887, on Second Mortgage endorsement		333,000 00
Third Mortgage endorsement	$ 875,000 00	
Interest thereon to December 31, 1891	1,102,500 00	
		$1,977,500 00
Fourth Mortgage, to secure loan of City stock	$1,000,000 00	
Amounts carried forward..	$1,000,000 00	$2,565,800 00

STATEMENT No. 9—Continued.

Am'ts brought forward..	$1,000,000 00	$2,565,800 00
Interest thereon to December 31, 1891.....	1,170,000 00	
		$2,170,000 00
Loan of City stock, authorized by Ordinance No. 71, of 1882.....	$684,000 00	
Interest thereon from July 1, 1889, to date.....	68,400 00	
		$752,400 00
Loan of City stock, authorized by Ordinance No. 11, of 1886.....	$1,704,000 00	
Interest thereon from July 1, 1889, to date.....	138,450 00	
		$1,842,450 00
Funding certificates, being amount of matured coupons of first mortgage and second preferred mortgage bonds, funded as per Ordinance No. 22, of 1879.....	$226,530 00	
Interest thereon from January 1st, 1889, to date..	40,775 40	
		$267,305 40
Amount carried forward..		$7,597,955 40

STATEMENT No. 9—Concluded.

Am't brought forward..		$7,597,955 40
Coupons from first mortgage unendorsed bonds.	$71,742 00	
Interest thereon to December 31st, 1891.....	69,511 69	
		$141,253 69
		$7,739,209 09
Less:		
Value of W. Md. R. R. 1925 Loan Sinking Fund,	$ 53,562 15	
Value of W. Md. R. R. 1927 Loan Sinking Fund,	113,715 63	
		$167,277 78
		$7,571,931 31

STOCK DEBT.

NAME OF ISSUE.	RATE PER ANNUM.	WHEN PAYABLE.	WHERE PAYABLE.
City Hall Loan 1900.....	6 per cent.	Jan., April, July and Oct.	Nat. Farm. & Plant. Bank.
" " 1902.....	6 "	" " " "	" "
Funding " 1900.....	6 "	" " " "	" "
W. M. R. R. Loan 1927..	3¼ "	January and July	" "
Internal Impt. " 1928..	3½ "	" "	" "
Consolidated " 1930..	3½ "	" "	" "
Patterson Park Extension Loan 1920....	4 "	Jan., April, July and Oct.	National Mechanics' Bank
Park Impt. Loan 1895....	6 "	" " " "	" "
Public Park Loan 1890...	6 "	Mar., June, Sept. and Dec.	" "
Jones' Falls " 1900...	6 "	Feb., May, Aug. and Nov.	" "
" " 1900...	5 "	" " " "	" "
" " 1900 ..	3.65 "	" " " "	" "
" " 1900...	3½ "	" " " "	" "
" " 1900...	3 "	" " " "	" "
W. M. R. R. " 1902...	6 "	January and July	" "
" " " 1925 ..	4 "	" "	" "
Harford Run Improvem't Loan 1920.....	4 "	" "	" "

Completion of Harf'd Run Improvement Loan 1904	4	"	January and July.....	National Mechanics' Bank
Paving Loan 1920.....	4	"	May and November.....	" "
Water " 1916.....	5	"	" "	" "
" " 1894.....	6	"	" "	" "
" " 1894.....	5	"	" "	" "
" " 1922.....	4	"	" "	" "
" " 1926.....	4	"	" "	" "
Funding Loan 1916.....	5	"	" "	" "
Exempt " 1893.....	6	"	March and September....	" "
Consolidated Loan 1893..	6	"	" "	" "

GUARANTEES.

NAME OF ISSUE.	RATE PER ANNUM.	WHEN PAYABLE.	WHERE PAYABLE.
Western Maryland R. R. Company's Bonds.....	6 per cent.	January and July.....	National Mechanics' Bank
Union R. R. Company's Bonds.....	6 "	" "	Franklin Bank.

ANNUAL REPORT

—OF THE—

CITY COMPTROLLER

—TO THE—

Mayor and City Council of Baltimore,

—FOR THE—

Fiscal Year Ending December 31st, 1891.

REPORT.

DEPARTMENT OF THE CITY COMPTROLLER.

BALTIMORE, January 1st, 1892.

To the Honorable the Mayor
and City Council of Baltimore.

GENTLEMEN:

I have the honor of presenting herewith the report of the City Comptroller's Department for the year ending December 31st, 1891.

STATEMENT OF RECEIPTS.

From the City Collector, on account of the tax levy for 1891		$3,125,767 79
From the City Collector, on account of taxes in arrears		1,412,366 30
From the City Collector, on account of interest on taxes in arrears		30,780 83
Amount carried forward		$4,568,914 92

Am'nt brought forward..	$4,568,914 92	
From the City Collector, on account of renumbering houses	3 00	
From the City Collector, on account of opening, closing and paving streets...	99,666 64	
		$4,668,584 56
From market rents and licenses		55,043 25
" rent of public halls		490 50
" wharfage by Harbor Masters		28,396 75
" Park Board, account of the several parks		179,194 98
" the Jail Visitors, for board of U. S. prisoners, &c.		7,409 82
" County Commissioners of Baltimore, Harford and Carroll counties, for cases removed and tried in the City courts		1,268 04
" the Water Board, for rents, &c.		918,489 69
" the Pound Master, for the sale of dogs		422 19
" ground rents due by sundry parties		160 00
" the Trustees of Bayview Asylum, for board of inmates, &c		2,924 36
" Quarantine Hospital fees		5,977 54
" the Park Board, for account of Harlem Park		4,000 00
" the Park Board, for account of Eutaw Squares, 1st division		2,000 00
Amount carried forward		$5,874,361 68

Amount brought forward		$5,874,361 68
From the Park Board, for account of Eutaw Squares, 2d division	2,000 00	
" the Park Board, for account of Madison Square	3,381 00	
" the Park Board, for account of Lafayette Square	1,815 00	
" the Park Board, for account of Perkins Spring Square	1,300 00	
" the Park Board, for account of Union Square	1,050 00	
" the Park Board, for account of Fulton Avenue Squares and Baker Circle	2,694 00	
" the Park Board, for account of Mount Vernon Squares	1,200 00	
" the Park Board, for account of Broadway, 1st division	3,800 00	
" the Park Board, for account of Broadway, 2d division	2,300 00	
" the Park Board, for account of Broadway, 3d division	5,230 00	
" the Park Board, for account of Park Place Squares	750 00	
" the Park Board, for account of Ashland Square	150 00	
" the Park Board, for account of Franklin Square	1,500 00	
" the Park Board, for account of Eastern Fountain	1,500 00	
Amount carried forward		$5,903,031 68

Amount brought forward		$5,903,031 68
From the Park Board, for account of Mt. Royal Avenue Squares		3,200 00
" the Park Board, for account of Jackson Square		1,500 00
" the Park Board, for account of Taney Place Squares		300 00
" the Park Board, for account of Wilkens Avenue Squares		2,500 00
" the City Solicitor, account of judgments and suits		56 80
" the Health Commissioner, from the sale of virus		26 50
" the Commissioners of Street Cleaning, for sale of dirt, &c		912 76
" sundry parties, for injury to street lamps		246 10
" permits and advertising, for erecting sheds, &c		7,287 04
" the City Commissioner, for repairs paved streets		162 12
" the City Commissioner, for repairs of sewers		3,755 20
" the City Commissioner, for Light street bridge		18 00
" the City Commissioner, for iron plates		27 00
" the City Commissioner, for improvement Jones' falls		140 65
Amount carried forward		$5,923,163 85

Amount brought forward	$5,923,163 85
From the City Commissioner, for shelling Ridgely and Bayard sts	2 70
" the City Commissioner, for sale old material, 1928 Loan	492 20
" the City Commissioner, for iron plates, Fayette and Exeter sts	7 60
" the City Commissioner, for paving streets, Richmond Market	2 45
" the sale of tickets on account of transportation of poor	31 25
" auctioneers, for State tax on sales	8,719 60
" City Librarian, for sale of Codes and Ordinances	30 68
" licenses for wagons, carts, billiards, &c	46,437 10
" the Fire Commissioners, for sale of refuse	143 30
" magistrates, for violation of City ordinances	3,482 44
" City Commissioner, for account of advertising	378 00
" the Park Board, for Patterson Park Extension	8 30
" Liquor License Commissioners	34 00
" City Commissioner, accounts of repairs streets, &c., City Annex	83 12
" the Public School Board, City Annex	10 00
Amount carried forward	$5,983,026 59

Amount brought forward	$5,983,026 59
From direct tax in the City Annex	145,462 71
" interest in the City Annex	4,036 64
" sundry parties, difference in board of insane patients	3,800 00
" State tax on City loans	6,731 50
" temporary loans	950,000 00
" the inspection of gas meters	2,059 50
" tax sales for the redemption of property previously sold for taxes	6,249 98
" City Commissioner, for vaults and areas	1,237 30
" the Park Board, interest on Public Park loan	8,000 00
" Water Board, interest on Water loans	504,630 00
" the Commissioners of Finance	80,820 00
" sale of property owned by the City	250 00
" the sale of Internal Improvement 1928 stock	1,682,829 40
" City seals	22 65
" unclaimed damages	576 63
" the sale of No. 19 School house	25,000 00
" the Park Board, account of Carroll Park	132 32
" the Chesapeake & Potomac Telephone Co., on acc't of conduits.	4,150 50
" Park Board, for condemnation of land in Druid Hill Park	59,844 98
Amount carried forward	$9,468,860 70

Amount brought forward	$9,468,860 70
From conscience fund	83 12
" Wm. L. Marbury, Trustee, &c	52 00
" sale of Water stock of 1926	200,000 00
" turnpike dividends	208 90
" State of Marylaud, for City's proportion of Public School tax	185,154 98
" the Secretary of the School Board, for use of books, &c	3,400 85
" J. F. Plummer, interest on legacy to Public Schools	114 50
" damages and expenses for opening, closing and paving streets and alleys	22,253 50
" City's deposits in various banks, as interest	9,258 07
" State Treasurer, for liquor licenses	384,012 17
Balance in hands of the City Register January 1st, 1891	128,546 92
	$10,401,945 71

STATEMENT OF DISBURSEMENTS.

For cleaning and repairs of markets	$4,726 26
" cleaning and repairs of public halls.	130 35
" Criminal Court	68,252 76
" Superior Court	12,964 05
" Baltimore City Court	12,583 00
" Court Common Pleas	13,754 05
Amount carried forward	$112,410 47

Amount brought forward	$112,410 47
For Circuit Court	2,753 80
" Circuit Court No. 2	2,425 00
" Orphans' Court	7,942 93
" Magistrates	16,761 85
" Judgments and suits	3,066 70
" Police Department	787,996 58
" expenses of the Supervisors of Elections	9,255 76
" registration	27,065 23
" expenses and incidentals of the City Council	62,860 33
" expenses of the Jail	55,300 15
" Public Schools, general	152,926 68
" Manual Training School	24,983 03
" Public Schools, salaries	684,013 36
" Water Board	993,584 80
" the Dog Pound	1,253 50
" ground rents due by the City	10,048 46
" interest on loans and discount on taxes	103,590 27
" Park Board	218,965 04
" Riverside Park	1,023 26
" Federal Hill Park	273 19
" Johnston Square	1,594 72
" Collington Square	34 05
" Harlem Park	3,349 30
" Eutaw Squares, 1st division	1,707 66
" Eutaw Squares, 2d division	1,979 12
Amount carried forward	$3,287,165 24

Amount brought forward	$3,287,165 24
For Madison Square	3,265 66
" Lafayette Square	1,774 35
" Perkins Spring Square	1,190 28
" Union Square	993 45
" Fulton Avenue Squares and Baker Circle	2,813 38
" Bayview Asylum	95,073 09
" Health, salaries	35,288 66
" Health, general	12,026 50
" Nuisances	11,978 13
" Quarantine Hospital	17,871 13
" cleaning streets	266,311 39
" harbor	49,885 37
" Iceboat F. C. Latrobe	7,646 09
" repairs of wharves	2,972 32
" dredging Spring Gardens	1,115 63
" printing harbor laws	95 60
" City Collector, expenses of office	53,290 66
" Appeal Tax Court	320 61
" gas and electric lights	230,000 00
" lamp pillars and lamps	14,793 52
" lamplighters' salaries	46,514 00
" Inspector of Buildings	6,200 00
" repairs of Public Schools	9,000 00
" repairs of City property	20,000 00
" permits for sheds, &c	977 84
" cleaning cesspools	1,110 87
" building the Morgue	200 00
Amount carried forward	$4,179,873 77

Amount brought forward	$4,179,873 77
For building addition to No. 17 School.	5,210 25
" painting Lexington Market	1,699 31
" repaving Richmond Market	132 30
" building Public School No. 25	13,637 51
" building Primary School No. 13	87 07
" extra out-door help	1,000 00
" wood ceilings in Public Schools	2,000 00
" sanitary improvements	3,000 00
" painting school houses	4,000 00
" building Grammar and Primary School No. 19	19,711 76
" building shed for Fire Boat	2,470 83
" building addition to Grammar School No. 17	6,000 00
" building Male Grammar School No. 15	4,500 00
" printing building laws	100 00
" Howard Zouaves Armory	500 00
" remodelling No. 15 Engine House	13,000 00
" repairing 5th Regiment Armory	4,999 85
" repaving Lafayette Market	1,300 00
" salaries of the City Commissioner's office	9,623 86
" repairs of paved streets	94,479 40
" repairs of bridges	6,218 04
" repairs of sewers	7,177 39
" Light street bridge	2,633 50
" iron plates	94 76
Amount carried forward	$4,383,449 60

Amount brought forward	$4,383,449 60
For flag and stepping-stones	4,994 87
" cross streets	2,635 36
" improvement Harford Run	462 01
" repairs unpaved streets	1,992 51
" sewer in Preston street	1,206 16
" Jenkins' Run sewer	46,248 11
" Fremont street sewer	60,289 68
" Eager street sewer	8,467 02
" Wolfe street sewer	3,888 52
" Pulaski street sewer	659 98
" rebuilding Light street bridge	56,431 97
" Cross street sewer	76,017 96
" Carey street relief sewer	121,339 18
" paving Lafayette Market	14,208 69
" shelling Eastern avenue	375 53
" paving streets around Hanover Market	10,484 66
" Russell street bridge	4,927 49
" Monroe street bridge	28,068 24
" Howard street sewer	11,890 01
" paving Fell's Point Market	1,255 50
" shelling Fulton avenue	1,099 58
" Fulton avenue and Eagle street sewer	4,427 63
" sewer in Fulton avenue	41 04
" trapping inlets, Central avenue and McElderry street	1,024 64
" improvement Jones' Falls	75 00
" inlets Wolfe street sewer	1,203 46
Amount carried forward	$4,847,164 40

Amount brought forward	$4,847,164 40
For building Douglas street bridge	39 00
" paving City property	754 45
" shelling Ridgely and Bayard streets	2,416 79
" regrading Lexington street	3,737 85
" Mayoralty	1,969 41
" transportation of poor	626 38
" Superintendent City Hall	15,438 55
" City Librarian	7,023 38
" refunded taxes	3,494 10
" expenses Court House and Record office	5,266 86
" expenses of the City and Circuit Court building	3,646 70
" general expense	1,051 90
" general license	1,520 96
" expenses of the Fire Department	281,060 71
" Fire Boat for the harbor	17,425 36
" indicators at engine houses	1,250 00
" keyless doors on fire alarm boxes	1,750 00
" fire alarm boxes at various places	2,708 25
" fines remitted by the Mayor	683 00
" public printing	876 81
" Patterson Park Extension	70,015 09
" Liquor License Commission, expenses of office	13,873 12
" Read street sewer	11,751 88
" Lovegrove alley sewer	20,299 91
" trapping sewer, Baltimore street and Central avenue	116 60
Amount carried forward	$5,315,961 46

Amount brought forward	$5,315,961 46
For shelling East Baltimore street	383 56
" iron plates, Fayette and Exeter sts.	545 42
" iron plates, Canton and Collington avenues	579 19
" iron plates, Lombard and Caroline streets	1,292 04
" flagstones, German and other streets	171 88
" trapping inlets, Baltimore and Arch streets	1,282 09
" trapping inlets, Pennsylvania avenue and St. Mary street	698 07
" building North avenue bridge	16,186 91
" paving streets around Richmond market	8,766 88
" Eden street sewer	26,087 46
" paving streets, Southern Police station	2,354 46
" repaving Belair market	6,500 00
" inlets, Booth street	409 05
" Ann and Gay street sewer	9,766 83
" iron plates, Canton avenue and Chester street	1,008 92
" iron plates, Bond street and Eastern avenue	815 08
" iron plates, Chester and Bank sts	618 89
" inlets, Eager and Chapel streets	316 58
" trapping inlets, Pennsylvania avenue and Oxford street	503 36
Amount carried forward	$5,394,248 13

Amount brought forward	$5,394,248 13
For trapping inlets, Myrtle avenue and Mulberry street	682 52
" trapping inlets, McMechen street and Foster alley	230 08
" building addition to English-German School No. 4	10,580 20
" inlets, Schroeder's run	484 58
" painting North East market	499 80
" repairing walls of Record Office	6,450 00
" building addition to Female Grammar School No. 16	7,209 55
" kerbing Park avenue	3,365 49
" kerbing Fulton avenue	1,088 87
" repairing Aisquith street	300 00
" trapping inlets, Harlem avenue and Calhoun street	461 34
" Pulaski and Franklin street sewer	24,005 30
" approaches Monroe street bridge	969 62
" stone gutters, Saratoga street and Park avenue	771 48
" Druid Hill avenue sewer	10,691 51
" iron plates, Courtland street	833 59
" iron plates, Charles and Lee streets	1,345 27
" building Harbor Master's shed	2,799 70
" iron plates, Myrtle avenue and Mosher street	895 06
" repairing Ferry Point road	480 43
Amount carried forward	$5,468,392 52

Amount brought forward.....	$5,468,392 52
For iron plates, Pennsylvania avenue and Mosher street.....	1,081 55
" Bush street sewer.....	5,698 00
" trapping inlets, Calhoun street sewer	134 00
" iron plates, Forrest and Gay streets	905 01
" iron plates, Chesapeake and Hudson streets.....	399 26
" iron plates, Canton and Elliott sts..	575 48
" gas and electric lights, City Annex.	11,089 24
" lamp pillars and lamps, City Annex	4,997 83
" lamplighters' salaries, City Annex.	10,508 29
" General Superintendent of Lamps, livery, City Annex.....	300 00
" health, salaries, City Annex.....	3,179 98
" expenses of Fire Department, City Annex.....	30,103 75
" cleaning streets, City Annex.....	16,759 15
" nuisances, City Annex.....	1,814 00
" repairs streets, &c., City Annex....	9,364 78
" Public Schools, City Annex.....	19,597 67
" Public Schools, salaries, City Annex	76,314 40
" repairs City Property, City Annex.	3,000 00
" building Annex School No. 13, City Annex.....	11,323 06
" discount on taxes, City Annex.....	3,034 09
" expenses, Collector's Office, City Annex.....	2,599 92
" refunded taxes, City Annex.....	298 52
Amount carried forward.....	$5,681,470 50

Amount brought forward	$5,681,470 50
For fire-plugs at Carroll, City Annex	250 00
" grading and draining Hickory ave., City Annex	10,903 23
" repairing Brunswick avenue, City Annex	396 47
" repairing Oak street, City Annex	247 24
" building Annex School No. 3, City Annex	42 53
" shelling Friendship lane, City Annex	389 12
" repairing Huntingdon avenue, City Annex	995 00
" repairing Mine Bank lane, City Annex	134 79
" repairing Cedar avenue, City Annex	365 69
" repairing Brady avenue, Frisby street, &c., City Annex	1,149 13
" repairing Fourth street, City Annex	1,187 66
" shelling Monument street and Loney's lane, City Annex	662 17
" repairing Brehm's lane, City Annex	250 00
" repairing Windsor Mill road, City Annex	996 28
" putting in condition Gorsuch avenue, City Annex	848 36
" culvert in Jefferson street, City Annex	1,445 68
" Macadamizing Edmondson avenue, City Annex	1,994 24
Amount carried forward	$5,703,728 09

Amount brought forward	$5,703,728 09
For grading Jefferson street, City Annex	479 67
" repairing Garrison avenue, City Annex	1,440 81
" repairing Valley and Mount streets, City Annex	294 09
" repairing Old Frederick road, City Annex	995 17
" special assessment taxes in the Annex, City Annex	1,193 06
" repairing Maiden's Choice road, City Annex	646 79
" repairing Union Avenue bridge, City Annex	996 68
" repairing Edmondson Avenue bridge, City Annex	2,984 90
" building Annex School No. 11, City Annex	9,279 08
" building addition to Annex School No. 2, City Annex	4,500 00
" repairing Woodberry lane, City Annex	1,492 59
" paving cellar of Annex School No. 13, City Annex	300 00
" repairing Druid Hill avenue, City Annex	2,933 23
" repairing Chestnnt Hill avenue, City Annex	83 04
" repairing Tenth street, City Annex	295 20
Amount carried forward	$5,731,642 40

Amount brought forward		$5,731,642 40
For repairing Wilkens avenue, City Annex		196 06
" repairing Merryman avenue, City Annex		1,211 36
" gravelling Mary street, City Annex		198 74
" iron plates, Gilmor street, City Annex		1,102 94
" shelling Mine Bank lane, City Annex		178 33
" repairing Falls road, City Annex		4,988 53
" gravelling Clifton street, City Annex		297 63
" gravelling Linden avenue, City Annex		197 00
" raising Gwynn's Falls bridge, City Annex		2,490 41
" Mount Royal Avenue Terraces		54 36
" Mount Vernon Squares		1,199 96
" Broadway Squares, 1st division		3,804 41
" Broadway Squares, 2d division		2,300 00
" Broadway Squares, 3d division		5,229 72
" Park Place Squares		750 00
" Ashland Square		123 43
" Franklin Square		1,477 00
" Eastern Fountain		1,490 36
" Mount Royal Avenue Squares		3,189 53
" Jackson Square		1,382 81
" Taney Place Squares		248 63
" Wilkens Avenue Squares		2,377 47
Amount carried forward		$5,766,131 08

Amount brought forward	$5,766,131 08
For House of Refuge	19,991 89
" House of Reformation	10,000 00
" University of Maryland	6,760 00
" Washington University	12,675 00
" Maryland General Hospital	7,545 09
" Baltimore University	4,860 95
" Hospital of the Good Samaritan	1,388 19
" St. Joseph's Hospital	2,625 47
" St. Mary's Industrial School	20,000 00
" Deaf and Dumb	497 35
" Mount Hope Retreat	31,000 10
" Maryland Hospital for the Insane	20,000 00
" Dispensaries	10,600 00
" St. Joseph's House of Industry	1,000 00
" St. Vincent's Infant Asylum	5,000 00
" St. Mary's Female Orphan Asylum	6,334 65
" Home of the Friendless	2,100 00
" Nursery and Child's Hospital	3,500 00
" Saint Elizabeth's Colored Orphan Asylum	2,499 98
" Saint Mary's Home for Colored Children	500 00
" Shelter for Aged Colored Poor	999 98
" State tax on City loans	28,226 16
" special appropriations	6,696 86
" Female House of Refuge	4,000 00
" Industrial Home for Colored Girls	2,500 00
" assistance to Examiner of Titles	1,000 00
Amount carried forward	$5,978,432 75

Amount brought forward	$5,978,432 75
For temporary loans	950,000 00
" coroners	4,000 00
" salaries of City officers	74,889 59
" General Superintendent of Lamps, livery, &c	399 20
" Commissioners for Opening Streets	160 25
" expenses of elections	16,670 33
" tax sales	8,297 61
" transportation to House Correction	165 50
" Maryland Institute	6,000 00
" insurance of Bayview Asylum	3,625 00
" ringing Mechanics' bells	200 00
" winding Maryland Institute clock	75 00
" Enoch Pratt Free Library	50,000 00
" ice boat Annapolis	7,500 00
" commission and incidentals of Harbor Masters	7,405 00
" post mortems	1,500 00
" interest on stock debt	1,424,388 72
" removal of refuse of packing houses	5,000 00
" care of Circuit Court No. 2	845 06
" rent of Circuit Court No. 2	900 00
" Inspector of Gas and Oils, livery	330 00
" water, 1926 sinking fund	23,291 33
" internal improvement, 1928 sinking fund	62,411 86
" repairing and painting Calvert street bridge	1,886 73
Amount carried forward	$8,628,373 93

Amount brought forward	$8,628,373 93
For repairing floor of Biddle street bridge	129 84
" internal improvement, 1928 loan	13,529 40
" removed cases	4,854 85
" Supreme Bench	3,025 00
" Boys' Home Society	3,800 00
" new insane building at Bayview	7,156 85
" insurance new insane building at Bayview	420 00
" Cedar avenue bridge	783 92
" unclaimed damages	532 25
" purchase of lot for Public School No. 25	15,312 50
" insurance of Manual Training School	1,200 00
" Carroll Park	5,127 29
" files for City Library	768 45
" binding Code of Public Local Laws.	67 50
" furnishing the Morgue	497 85
" equipping new insane building at Bayview	9,899 67
" hose for various markets	445 47
" removing filth from docks	3,898 31
" repairing and repainting City Dock drawbridge	2,925 69
" repairing and repainting St. Paul street bridge	3,293 00
" repairing and repainting North st. bridge	936 67
" lot for Colored School No 3	14,000 00
Amount carried forward	$8,720,978 44

Amount brought forward	$8,720,978 44
For music in the parks	3,000 00
" files in the Comptroller's Department	1,550 00
" water mains on Ostend street	3,500 00
" drinking fountains, various places	675 00
" drinking fountain, Lancaster, west of Chesapeake street	150 00
" drinking fountain, Russell and West streets	75 00
" drinking fountain, Aisquith and Hoffman streets	75 00
" drinking fountain, North and Harford avenues	75 00
" railing around fountain at Riverside Park	300 00
" condemnation of land in Druid Hill Park	59,394 98
" purchase of Carroll Park	500 00
" repairs to 4th Battalion, M. N. G	2,000 00
" purchase of lot in south Baltimore for engine house	2,178 60
" drawings and specifications for court house	3,165 00
" insurance Baltimore City College and High Schools	1,275 00
" removing ashes from tow boats	3,523 77
" purchase of lot Mt. Royal avenue, Hoffman and Cathedral streets	1,500 00
Amount carried forward	$8,803,915 79

Amount brought forward	$8,803,915 79
For general sinking fund	97,801 37
" drinking fountain, Buren and Monument streets	75 00
" drinking fountain, Eager and Concord streets	75 00
" drinking fountain, Greenmount avenue and Eager street	50 00
" water mains on Boston street	4,000 00
" Maryland Homeopathic Hospital	831 51
" Superintendent of construction of fire boat	1,279 18
" sprinkling Mt. Royal avenue	1,250 00
" removal of Cross street wharf	152 12
" St. Agnes' Hospital	138 35
" Manual Training School at House of Refuge	5,000 00
" widening Lexington street, northwest corner of Charles street	37,500 00
" new City Code	2,000 00
" Water loan, 1926	200,000 00
" damages and incidentals in connection with opening and closing sts.	753,136 76
" paving streets and alleys	36,473 62
Balance in hands of City Register December 31st, 1891	458,267 01
	$10,401,945 71

On October 13th, 1891, I sold at private sale the lots 1137 and 1139 Cooksie street, near Marriott street, to Patrick Ellis and Ann Ellis, his wife, for the sum of $250. These lots came into the possession of the City through a deed from the City Collector, the property having been sold for taxes in arrears and purchased by the City. It was previously sold at public auction, but the buyer refused to consummate his purchase because of a supposed defect in the title, hence the subsequent private sale.

Under Ordinance No. 5, of the Mayor and City Council of Baltimore, of February 17th, 1891, the Mayor, Comptroller and President of the Board of Commissioners of Public Schools, were authorized and directed to sell the building on Park avenue near Preston street, then occupied by Grammar and Primary School No 19, at private sale, at a price not less than twenty-five thousand dollars ($25,000), subject to the ground rent thereon. On or about April 1st, 1891, we sold at private sale to the Baltimore Belt Railroad Company the above mentioned property for the sum of $25,000, which sum has been covered into the City Treasury.

In my last report to your Honorable Body, I called attention to the fact that though the work in the Comptroller's office had been increasing from year to year, the necessity of any addition to its employees had been obviated by improved methods in conducting its business; none of these methods had, however, any bearing upon the mode of giving out vehicle licenses, because

a change in the law was first necessary. The late City Council, therefore, at the suggestion of the Comptroller, made such change, and the effect has been of great benefit to the public; applicants for such licenses can now be waited upon in one-third of the time formerly consumed, and commendation thereof has been almost universal.

The falling off this year of receipts from licenses is due to the fact that the ordinance providing for the licensing and regulating the sale of fruits and vegetables and other perishable articles in the streets and highways of Baltimore City, having been declared illegal, no revenue has been derived from that source.

Under authority of an act passed at the session of the General Assembly of the State of Maryland in 1888, chapter 131, the Mayor and City Council of Baltimore, Ordinance 98, of September 6th, 1888, (submitted to the legal voters of the City of Baltimore at an election held November 6th, 1888, and approved), authorized the issuing of bonds for permanent public improvements, such as opening and widening of streets, construction of sewers, &c., as below specified, and authorized and directed the Commissioners of Finance to issue the bonds of the City to the amount of five millions of dollars, from time to time, as the same might be required, said bonds to be sold by said Commissioners from time to time, as required, and the proceeds thereof to be used for the following purposes:

Opening of Douglas street	$ 400,000 00
Widening of Fayette street	550,000 00
Widening of East Baltimore street	250,000 00
Construction of sewers	1,750,000 00
Purchase of ground and building school houses	400,000 00
For repaving with improved pavements	1,000,000 00
Improvement of Patterson Park	200,000 00
For building and rebuilding bridges	250,000 00
For park in Southwest Baltimore	50,000 00
For building addition to Court House	150,000 00
	$5,000,000 00

The City Council, by virtue of authority above conferred, has at different periods made appropriations as follows:

For bridges	$ 259,465 00
" sewers	1,910,600 00
" schools	403,000 00
" parks	250,000 00
" widening East Baltimore street	250,000 00
" widening Fayette street	550,000 00
" opening Douglas street	400,000 00
" paving Hanover Market	12,000 00
" paving Lafayette Market	15,500 00
	$4,050,565 00

It will be seen by comparing the two statements above, that while Ordinance No. 98, as approved by

the legal voters of the City of Baltimore, November 8th, 1888, prescribed that $1,750,000 00 should be set apart for the construction of sewers, the Mayor and City Council have by succeeding ordinances appropriated for that purpose $1,910,600, which exceeds the amount specified by Ordinance 98 in the sum of $160,600.00. Though by said ordinances the sum of $1,910,600.00 has been appropriated for the construction of sewers, it will be seen by the statement below that only $886,-294.78 have been expended for that purpose up to December 31st, 1891. The attention of the City Council has been especially called to this matter, as it will be necessary for them to take some action relative thereto.

Under Ordinance 98, September 6, 1888, the Comptroller cannot issue any warrant upon the Register in payment of moneys for the construction of sewers, as provided by said ordinance, in excess of the amount specified therein.

STATEMENT OF EXPENDITURES UNDER THE FIVE MILLION LOAN.

For Public Schools and Lots.....	$369,486 53
" Public Park, S. W. Baltimore.....	50,000 00
" Improvement of Patterson Park....	138,860 66
" Construction of Bridges.....	247,180 55
" " Sewers.....	886,294 78
" paving streets with improved pavements.....	129,939 01
Amount carried forward.....	$1,821,761 53

Amount brought forward.....	$1,821,761 53
For widening E. Baltimore street.....	174,199 99
" " Fayette street.....	5,296 56
" opening Douglas street.....	378,313 46
	$2,379,571 54

While the last table in this report gives a tabulated statement in detail of all these transactions, the Comptroller has deemed it proper to allude to them in his report for the better information of your Honorable Body and the community at large. For information in detail connected financially with the operations of the Department of the City Comptroller, I respectfully invite your attention to the subjoined tables.

I have the honor to be,

Very respectfully,

Your obedient servant,

JAMES R. HORNER,

Comptroller.

TABLES.

TABLE A.

DR. JOHN A. ROBB, *Register, in Account with*

1891.

Jan.	1.	To balance	$ 128,546 92
Jan.	31.	To cash	809,403 32
Feb.	28.	"	1,139,812 40
Mar.	31.	"	171,715 06
April	30.	"	715,654 84
May	31.	"	428,915 08
June	30.	"	2,243,348 13
July	31.	"	895,614 39
Aug.	31.	"	289,640 38
Sept.	30.	"	199,569 81
Oct.	31.	"	670,364 46
Nov.	30.	"	1,189,862 48
Dec.	31.	"	1,519,498 44
			$10,401,945 71

TABLE A.

the Mayor and City Council of Baltimore. CR.

1891.			
Jan. 31.	By Comptroller's warrants..	$	827,033 08
Feb. 28.	" " " ..		544,181 84
Mar. 31.	" " " ..		453,287 05
April 30.	" " " ..		750,690 64
May 31.	" " " ..		1,383,248 00
June 30.	" " " ..		995,586 52
July 31.	" " " ..		822,705 72
Aug. 31.	" " " ..		557,316 06
Sept. 30.	" " " ..		648,766 18
Oct. 31.	" " " ..		680,034 29
Nov. 30.	" " " ..		1,248,659 84
Dec. 31.	" " " ..		1,032,169 48
Dec. 31.	By balance.....		458,267 01
			$10,401,945 71

TABLE B.

Collection of Taxes, Opening of Streets, &c., made by the City Collector, for the year ending December 31, 1891.

	1886.	1887.	1888.	1889.	1890.	1891.	Total.
Police Department	$224 72	$514 28	$3,134 60	$29,147 09	$185,096 34	$547,687 65	$765,804 68
Certain Expenses	72 23	152 37	1,044 87	10,795 23	51,061 06	176,042 48	239,168 24
Public Schools	184 59	438 07	2,786 31	24,829 02	165,948 40	449,886 25	644,072 64
City Poor	64 21	171 41	1,044 87	8,636 17	63,826 29	195,602 72	269,345 67
Direct Tax	553 79	1,066 66	7,662 38	85,282 25	446,784 22	899,772 56	1,441,121 86
Miscellaneous Stocks	216 72	514 29	4,643 87	37,783 32	210,626 85	469,446 56	723,231 61
Opening Streets	32 11	152 37	1,509 26	5,397 62	38,295 78	78,241 11	123,628 25
Water Tax	16 05	38 09	232 16	2,159 03	12,765 25	39,120 57	54,331 15
Water, 1926, Sinking Fund				539 76	3,191 29	19,560 28	23,291 33
Internal Improvement, 1928, Sinking Fund				539 76	3,191 29	58,680 81	62,411 86
General Sinking Fund						97,801 37	97,801 37
	$1,364 42	$3,047 54	$22,058 32	$205,109 25	$1,180,786 77	$3,031,842 36	$4,444,208 66
Interest	350 78	584 68	2,925 31	17,058 43	9,861 63		30,780 83
Discount						93,925 43	93,925 43
	$1,715 20	$3,632 22	$24,983 63	$222,167 68	$1,190,648 40	$3,125,767 79	$4,568,914 92
Opening and Closing Streets and Alleys							99,463 49
Paving Streets and Alleys							203 15
Renumbering Houses							3 00
							$4,668,584 56

TABLE B—Continued.

Amount charged against City Collector Jan. 1st, 1892.

Year.	Levy.	Basis of Taxation.	Amount.
1888.....	1 90	$803,941 00	$15,274 88
1889.....	1 90	4,999,785 00	94,995 92
1890.....	1 85	17,805,996 00	329,410 92
1891.....	1 55	77,174,176 00	1,196,199 72
			$1,635,881 44

ANNEX.

1890.....	60	$1,022,375 00	$6,134 25
1891.....	60	10,425,060 00	62,550 36
			$68,684 61

TABLE B—Concluded.

City Taxes received from the Annexed Territory during the year 1891.

Total amount received		$149,499 35
Of which there was collected on the levy of 1889 the sum of	$6,981 00	
On the levy of 1890	37,904 70	
And on the levy of 1891	104,613 65	
		149,499 35
The basis collected on—		
1889		$1,076,823 00
1890		6,237,030 00
1891		17,435,609 00

TABLE C.

Hanover Market—John H. Mortimer, Clerk.

	Dr.	Cr.
Butcher stall rents		$1,233 00
Fish stall rents		579 00
Permanent stall rents		246 00
Eave stall rents		154 00
Vegetable stall rents		730 00
Street stall rents		92 00
Cucumber stall rents		27 00
Per diem rents		1,677 10
Licenses		910 00
		$5,648 10

TABLE C—Continued.

Belair Market—Joseph H. Wright, Clerk.

	Dr.	Cr.
Butcher stall rents		$2,300 00
Fish stall rents		180 00
Permanent stall rents		284 00
Eave stall rents		150 00
Street eave stall rents		250 00
Cucumber stall rents		396 00
Movable stall rents		200 00
Per diem rents		2,632 70
Licenses		1,830 00
		$8,222 70

TABLE C—Continued.

Cross Street Market—James Graham, Clerk.

	Dr.	Cr.
Butcher stall rents		$ 871 25
Fish stall rents		120 00
Permanent stall rents		395 00
Eave stall rents		425 00
Vegetable stall rents		290 00
Street eave stall rents		270 00
Per diem rents		2,113 50
		$4,484 75

TABLE C—Continued.

Lexington Market—James A. Strong, Clerk.

	Dr.	Cr.
Butcher stalls, rent and license..		$ 2,750 00
Fish " " ..		350 00
Permanent " " ..		1,980 00
Eave " " ..		1,540 00
Fruit " " ..		600 00
Street eave " " ..		315 00
Cucumber " " ..		845 00
Movable " " ..		294 00
Per diem rents....		4,199 40
		$12,873 40

TABLE C.—Continued.

Hollins Market—James Biden, Clerk.

	Dr.	Cr.
Butcher stalls, rent and license..		$ 697 00
Fish " " ..		30 00
Permanent " " ..		220 00
Eave " " ..		220 00
Space " " ..		205 00
Street eave " " ..		655 00
Pavement " " ..		25 00
End " " ..		35 00
Nine months " " ..		40 00
Vegetable " " ..		30 00
Per diem rents.....		1,514 40
		$3,671 40

TABLE C—Continued.

Centre Market—Daniel Murray, Clerk.

	Dr.	Cr.
Butcher stalls, rent and license..		$1,643 00
Fish " " ..		643 00
Permanent " " ..		594 00
Eave " " ..		609 00
Vegetable " " ..		211 00
Street eave " " ..		46 00
Movable " " ..		462 00
Wholesale produce stalls		769 91
Per diem rents.....		2,180 35
		$7,158 26

TABLE C—Continued.

Richmond Market—George H. Clifton, Clerk.

	Dr.	Cr.
Butcher stalls, rent and license..		$ 278 50
Permanent " " ..		99 00
Fish " " ..		60 00
Eave " " ..		98 00
Space " " ..		110 00
Kerb " " ..		115 00
Movable " " ..		53 00
Aisle " " ..		40 00
Street eave " " ..		15 00
Per diem rents.....		1,356 45
		$2,224 95

TABLE C—Continued.

Fell's Point Market—Wm. A. Callahan, Clerk.

	Dr.	Cr.
Butcher stall rents		$1,265 00
Fish "		52 00
Permanent "		392 00
Eave "		378 00
Vegetable "		826 00
Street "		26 00
Movable "		52 00
Per diem rents		1,635 25
Licenses		1,895 00
Confiscated butter		3 00
		$6,524 25

TABLE C—Continued.

Lafayette Market—John Farrell, Clerk.

	Dr.	Cr.
Butcher stalls, rent and license..		$450 00
Permanent " " " ..		578 74
Eave " " " ..		564 00
Space " " " ..		95 00
Street " " " ..		50 00
		$1,737 74

TABLE C—Continued.

Northeast Market—M. Kunkel, Clerk.

	Dr.	Cr.
Butcher stalls, rent and license..		$203 00
Fish " " " ..		14 00
Permanent " " " ..		72 00
Eave " " " ..		20 00
Street eave " " " ..		2 00
Cucumber " " " ..		14 00
Vegetable " " " ..		441 00
Per diem rents....		770 20
Licenses....		590 00
		$2,126 20

TABLE C—Continued.

Canton Market—John Cadden, Clerk.

	Dr.	Cr.
Butcher stalls		$102 50
Permanent "		72 00
Eave "		56 00
Fish "		7 00
Per diem rents		134 00
		$371 50

TABLE C—Continued.

Summary of Markets.

	Dr.	Cr.
Hanover Market		$ 5,648 10
Belair "		8,222 70
Cross St. "		4,484 75
Lexington "		12,873 40
Hollins "		3,671 40
Centre "		7,158 26
Richmond "		2,224 95
Fell's Point "		6,524 25
Lafayette "		1,737 74
Northeast "		2,126 20
Canton "		371 50
		$55,043 25
Expenses of cleaning, repairs, &c.		
Hanover Market	$451 01	
Belair "	533 93	
Cross St. "	406 50	
Lexington "	612 92	
Hollins "	333 00	
Centre "	670 49	
Richmond "	422 75	
Fell's Point "	523 00	
Lafayette "	302 00	
Northeast "	311 35	
Canton "	159 31	
		4,726 26
		$50,316 99

TABLE C—Continued.

Public Halls.

	Dr.	Cr.
Cross Street Hall—		
By amount received for rent.....		$218 50
To amount paid for cleaning, &c....	$ 20 10	
Hollins Hall—		
By amount received for rent.....		257 00
To amount paid for cleaning, &c..	95 25	
Broadway Hall—		
By amount received for rent		15 00
To amount paid for cleaning, &c..	15 00	
To balance, December 31, 1891	360 15	
	$490 50	$490 50

TABLE C—Continued.

Receipts from Licenses.

	Dr.	Cr.
Wagons, 1 horse		$16,397 25
" 2 and 3 horses		8,358 50
" 4 or more horses		685 90
Carts		4,920 00
Drays		547 80
Omnibusses, cars and hacks		3,305 40
Package carts		484 45
Lighters		277 65
Bacon		2,133 35
Puddings		115 00
Merchandise		141 65
Foreign fruit		377 30
Billiards		1,306 10
Bagatelle		398 30
Pawnbrokers		1,266 50
Dogs		1,027 95
Coal oil		1,710 50
Flying horses and swings		17 50
Theatricals		2,966 00
		$46,437 10

TABLE C—Concluded.

Collection of Wharfage, from January 1, 1891, *to December* 31, 1891.

DATE.	1st District.	2d District.	3d District.	4th District.	5th District.	Aggregate.
January	$ 72 55	$ 131 39	$ 174 75	$ 455 00	$1,278 38	$2,112 07
February	29 20	102 06	151 10	448 00	1,205 06	1,935 42
March	105 00	122 10	151 41	477 50	931 58	1,787 59
April	74 00	107 26	177 42	441 50	1,113 26	1,913 44
May	123 75	149 88	183 08	419 40	1,403 04	2,279 15
June	64 35	160 72	229 50	414 10	1,614 18	2,482 85
July	90 00	307 84	242 85	414 10	1,623 87	2,678 66
August	58 50	309 84	362 00	411 05	1,839 28	2,980 67
September	60 00	329 86	510 00	535 50	1,558 03	2,993 39
October	94 50	315 05	361 51	422 00	1,326 03	2,519 09
November	54 75	143 97	269 00	457 10	1,345 05	2,269 87
December	71 00	157 04	236 50	459 00	1,521 01	2,444 55
	$897 60	$2,337 01	$3,049 12	$5,354 25	$16,758 77	$28,396 75

Total collections from January 1st, 1891, to December 31st, 1891		$28,396 75
Less amount paid to Harbor Masters	$5,678 75	
Less amount paid for boatmen's salary	1,200 00	
Less amount paid for rent and incidental expenses	526 25	7,405 00
Net revenue		$20,991 75

TABLE D.

Criminal Court.

	Dr.	Cr.
By appropriation, Ordinance No. 64		$62,000 00
To amount paid Bailiffs	$ 7,500 00	
" " Clerk	17,321 82	
" " State's Atto'y	12,041 27	
" " Sheriff	14,647 30	
" " for board of Jurors	230 20	
" " for stationery Grand Jury.	142 69	
" " for expert testimony	315 00	
" " for judge's calendar	200 00	
" " for detectives' expenses	231 37	
" " stenographers.	413 55	
" " for surveys	12 00	
" " for witness fees	243 42	
" " Attorney fees.	475 00	
" " for analysis	850 00	
" " for photo'ng	28 00	
" " for death watch	308 00	
" " Grand and Petit Jurors	13,293 14	
By balance, December 31, 1891,		6,252 76
	$68,252 76	$68,252 76

TABLE D—Continued.

Superior Court.

	Dr.	Cr.
By appropriation, Ordinance No. 64.....		$13,000 00
To amount paid Bailiffs.....	$ 4,500 00	
" " Clerk.....	2,121 75	
" " Sheriff.....	351 80	
" " Janitor.....	360 00	
" " Jurors.....	5,630 50	
To balance, December 31, 1891.	35 95	
	$13,000 00	$13,000 00

TABLE D—Continued.

Baltimore City Court.

	Dr.	Cr.
By appropriation, Ordinance No. 64		$12,000 00
To amount paid Bailiffs	$4,500 00	
" " Clerk	2,240 30	
" " Sheriff	323 20	
" " for incidentals.	151 00	
" " Jurors	5,368 50	
By balance, December 31, 1891.		583 00
	$12,583 00	$12,583 00

Court Common Pleas.

	Dr.	Cr.
By appropriation, Ordinance No. 64		$13,000 00
To amount paid Bailiffs	$4,500 00	
" " Sheriff	415 00	
" " Clerk	2,098 53	
" " Watchman	1,000 02	
" " Jurors	5,740 50	
By balance December 31, 1891.		754 05
	$13,754 05	$13,754 05

TABLE D—Continued.

Circuit Court.

	Dr.	Cr.
By appropriation, Ordinance No. 64		$2,900 00
To amount paid Bailiff	$1,500 00	
" " Watchman	900 00	
" " Clerk	197 80	
" " for stationery	156 00	
To balance, December 31, 1891	146 20	
	$2,900 00	$2,900 00

Circuit Court No. 2.

	Dr.	Cr.
By appropriation, Ordinance No. 64		$2,500 00
To amount paid Bailiff	$1,500 00	
" " Watchman	900 00	
" " Clerk	25 00	
To balance, December 31, 1891	75 00	
	$2,500 00	$2,500 00

TABLE D—Continued.

Orphans' Court.

	Dr.	Cr.
By appropriation, Ordinance No. 64		$7,500 00
To amount paid Judges	$5.634 00	
" " Bailiffs	1,252 00	
" " Janitor	900 00	
" " for incidentals.	156 93	
By balance, December 31, 1891.		442 93
	$7,942 93	$7,942 93

Supreme Bench.

	Dr.	Cr.
By appropriation, Ordinance No. 64		$3,075 00
To amount paid Judges	$3,000 00	
To amount paid City Collector for furnishing list of taxpayers	25 00	
To balance, December 31, 1891.	50 00	
	$3,075 00	$3,075 00

TABLE D—Continued.

Magistrates.

	Dr.	Cr.
By appropriation, Ordinance No. 64		$18,500 00
To amount paid Magistrates	$16,272 12	
" " Substitutes	489 73	
To balance, December 31, 1891	1,738 15	
	$18,500 00	$18,500 00

Fines.

	Dr.	Cr.
By amount of City's proportion of fines		$3,482 44
To amount paid for fines remitted by the Mayor	$ 683 00	
To balance, December 31, 1891	2,799 44	
	$3,482 44	$3,482 44

TABLE D—Continued.

Judgments and Suits.

	Dr.	Cr.
By appropriation, Ordinance No. 64		$3,000 00
By amount received from sundry parties		56 80
To amount paid for sundry judgments rendered against the Mayor and City Council by the various courts, and for sundry expenses paid	$3,066 70	
By balance, December 31, 1891.		9 90
	$3,066 70	$3,066 70

City Council.

	Dr.	Cr.
By appropriation, Ordinance No. 64		$59,000 00
By appropriation, Resolution No. 11		4,000 00
To amount paid to members	$34,333 31	
" " " clerks, &c.	15,699 64	
" " for printing and other expenses	12,827 38	
To balance, December 31, 1891.	139 67	
	$63,000 00	$63,000 00

TABLE D—Continued.

Police Department.

	Dr.	Cr.
By appropriation, Ordinance No. 64		$788,000 00
To amount paid on warrants of the Board of Police Commissioners	$787,996 58	
To balance, December 31, 1891,	3 42	
	$788,000 00	$788,000 00
Received from the City Collector, on account of the levy for the Police Department		$765,804 68

Supervisors of Elections.

	Dr.	Cr.
By appropriation, Ordinance No. 64		$10,000 00
To amount paid Supervisors and Clerk	$4,749 84	
To amount paid printing and incidentals	548 87	
To amount paid extra clerical assistance	879 00	
To amount paid Counsel and assistant	3,000 00	
To amount paid as costs to Court of Appeals	78 05	
To balance, December 31, 1891	744 24	
	$10,000 00	$10,000 00

TABLE D—Continued.

Removed Cases.

	Dr.	Cr.
By appropriation, Ordinance No. 64		$8,000 00
By amount received from County Commissioners of Balto., Harford and Carroll Counties.		1,268 04
To amount paid sundry parties.	$4,854 85	
To balance, December 31, 1891..	4,413 19	
	$9,268 04	$9,268 04

Registration.

	Dr.	Cr.
By appropriation, Ordinance No. 64		$39,000 00
By appropriation, Resolution No. 13		3,740 16
To amount paid Registration Officers and room rent	$22,668 17	
To amount paid for advertising, &c.	4,397 06	
To balance, December 31, 1891..	15,674 93	
	$42,740 16	$42,740 16

TABLE D—Concluded.

Baltimore City Jail.

	Dr.	Cr.
By appropriation, Ordinance No. 64		$55,000 00
By amount received for board of U. S. prisoners		2,002 10
By amount received for hire of prisoners		4,554 26
To amount paid on warrants of the Board of Visitors	$54,788 69	
To balance, December 31, 1891.	6,767 67	
	$61,556 36	$61,556 36

TABLE E.

General Interest.

	Dr.	Cr.
By appropriation, Ordinance No. 64		$ 70,000 00
By amount received from City Collector for interest on arrears of taxes		124,706 26
By amount received from sundry banks for deposits.		9,258 07
To amount paid for interest on loans and accounts due by the Mayor and City Council of Baltimore	$103,590 27	
To balance, Dec. 31, 1891	100,374 06	
	$203,964 33	$203,964 33

Loans.

	Dr.	Cr.
Amount borrowed from sundry parties		$950,000 00
To amount paid sundry parties	$950,000 00	
	$950,000 00	$950,000 00

TABLE E—Continued.

Water Board.

	Dr.	Cr.
By balance January 1, 1891.		$30,484 73
By amount received from water rents, &c.....		918,489 69
By amount received from City Collector on account of water tax.....		54,331 15
To amount paid on warrants of the Water Board for interest on loans, salaries and other expenses.....	$993,584 80	
To balance, Dec. 31, 1891..	9,720 77	
	$1,003,305 57	$1,003,305 57

TABLE E—Continued.

Dog Pound.

	Dr.	Cr.
By appropriation, Ordinance No. 64		$2,200 00
By amount received for dead dogs		38 94
By amount received for dogs redeemed		383 25
To amount paid for dogs captured	$1,231 50	
To amount paid for fuel	22 00	
To balance, December 31, 1891	1,368 69	
	$2,622 19	$2,622 19

TABLE E—Continued.

Public Schools.

	Dr.	Cr.
By appropriation, Ordinance No. 64		$146,000 00
By appropriation, Ordinance No. 144		6,975 00
To amount paid on warrants of the Board of School Commissioners	$152,926 68	
To balance December 31, 1891.	48 32	
	$152,975 00	$152,975 00

Receipts from various sources.

From the City Collector on account of the tax levy	$644,072 64
From the State, City's proportion of State tax	185,154 98
From John F. Plummer, executor	114 50
From H. M. Cowles, secretary.	3,400 85
	$832,742 97

TABLE E—Continued.

Public Schools—Salaries.

	Dr.	Cr.
By appropriation, Ordinance No. 64		$675,000 00
By appropriation, Ordinance No. 144		9,025 00
To amount paid on warrants of the Board of School Commissioners	$684,013 36	
To balance December 31, 1891.	11 64	
	$684,025 00	$684,025 00

Manual Training School.

	Dr.	Cr.
By appropriation, Ordinance No. 64		$25,000 00
To amount paid on warrants of the Board of School Commissioners	$24,983 03	
To balance December 31, 1891.	16 97	
	$25,000 00	$25,000 00

TABLE E—Continued.

City Property.

	Dr.	Cr.
By appropriation, Ordinance No. 64		$9,820 46
By sundry parties for ground rent due the City		160 00
To amount of rents paid sundry parties	$10,048 46	
By balance December 31, 1891.		68 00
	$10,048 46	$10,048 46

Gas and Electric Lights.

	Dr.	Cr.
By appropriation, Ordinance No. 64		$230,000 00
To amount paid for electric lights	$102,568 00	
To amount paid for gas	127,432 00	
	$230,000 00	$230,000 00

TABLE E—Continued.

Internal Improvement 1928 *Loan.*

	Dr.	Cr.
To balance, January 1st, 1891	$ 7,266 99	
By amount received from sale of bonds		$1,682,829 40
To amount paid on account of sewers, bridges, school houses, &c	1,167,174 25	
To amount paid Commissioners of Finance as premium on stock	13,529 40	
To balance, December 31, 1891	494,858 76	
	$1,682,829 40	$1,682,829 40

Water Loan, 1926.

	Dr.	Cr.
By amount received from sale of bonds		$200,000 00
To amount paid on warrants of the Water Board	$200,000 00	
	$200,000 00	$200,000 00

TABLE E—Concluded.

State Tax on City Loans.

	Dr.	Cr.
By appropriation, Ordinance No. 64		$30,000 00
By amount received from City Register, Commissioners of Finance, &c., account of State Tax on City Loans		6,731 50
To amount paid State Treasurer.	$28,226 16	
To balance, December 31, 1891.	8,505 34	
	$36,731 50	$36,731 50

TABLE F.

Druid Hill and Patterson Parks.

	Dr.	Cr.
By balance, January 1st, 1891		$ 53,264 65
By amount received from City Passenger Railway Companies, as follows:		
Baltimore City Passenger Railway Company		75,786 98
Baltimore Traction Company		41,556 66
North Baltimore Passenger Railway Company		23,286 16
North Avenue Electric Railway Company		1,166 54
Point Breeze Passenger Railway Company		1,283 46
Baltimore Union Passenger Railway Company		21,625 32
Central Passenger Railway Company		10,011 52
By amount received from Park Commissioners on account of Druid Hill Park		3,630 90
Amount carried forward		$231,612 19

TABLE F—Continued.

Druid Hill and Patterson Parks.

	Dr.	Cr.
Amount brought forward.		$ 231,612 19
By amount received from Park Commissioners on account of Patterson Park.		630 00
By amount received from Park Commissioners on account of Carroll Park ..		70 71
By amount received from Park Commissioners on account of Riverside Park..		12 65
By amount received from Park Commissioners on account of Federal Hill Park.....		102 08
By amount received from Park Commissioners on account of Johnston Square		12 50
By amount received from Park Commissioners on account of Collington Square.....		19 50
To amount paid on warrants of the Park Commissioners.	$218,965 04	
To balance, December 31, 1891	13,494 59	
	$232,459 63	$232,459 63

TABLE F—Continued.

Patterson Park Extension.

	Dr.	Cr.
By balance, January 1st, 1891.		$131,160 21
By amount received from Park Commission		8 30
To amount paid on warrants of the Park Commissioners,	$70,015 09	
To balance December 31, 1891,	61,153 42	
	$131,168 51	$131,168 51

Riverside Park.

	Dr.	Cr.
By appropriation, Ordinance No. 64		$1,023 26
To amount paid on warrants of the Park Commissioners.	$1,023 26	
	$1,023 26	$1,023 26

TABLE F—Concluded.

Federal Hill Park.

	Dr.	Cr.
By appropriation, Ordinance No. 64		$273 19
To amount paid on warrants of the Park Commissioners	$273 19	
	$273 19	$273 19

Carroll Park.

	Dr.	Cr.
By appropriation, Ordinance No. 3		$5,000 00
By amount received from the Park Commissioners		132 32
To amount paid on warrants of the Park Commissioners	$5,127 29	
To balance, December 31, 1891.	5 03	
	$5,132 32	$5,132 32

STATEMENT A.

ACCOUNTS.	Appropriations	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
PUBLIC SQUARES.					
Johnston Square.....	$1,597 60	$1,594 72	.....	.....	$2 88
Collington Square.....	34 05	34 05	.....	.....	.....
Harlem Park	.....	3,349 30	$4,000 00	.....	650 70
Eutaw Squares, 1st Div.	.....	1,707 66	2,000 00	.....	292 34
" 2d "	.....	1,979 12	2,000 00	.....	20 88
Mount Vernon Squares.	.....	1,199 96	1,200 00	.....	04
Mt. Royal Ave. Terraces.	54 36	54 36	.....	.....	.....
Park Place Squares	.....	750 00	750 00	.....	.....
Broadway Squares, 1st Division	.....	3,804 41	3,975 00	.....	170 59
Broadway Squares, 2d Division	.....	2,300 00	2,300 00	.....	.....
Broadway Squares, 3d Division	.....	5,229 72	5,230 00	.....	28

Madison Square.....	.....	3,265 66	3,381 00	.....	115 34
Lafayette Square.....	.....	1,774 35	1,815 00	.....	40 65
Franklin Square	.....	1,477 00	1,500 00	.....	23 00
Jackson Square.....	.....	1,382 81	1,500 00	.....	117 19
Perkins' Spring Square.	.....	1,190 28	1,300 00	.....	109 72
Eastern Fountain	75 00	1,490 36	1,500 00	.....	84 64
Ashland Square.....	.....	123 43	150 00	.....	26 57
Mt. Royal Ave. Squares.	.....	3,189 53	3,200 00	.....	10 47
Taney Place Squares ...	.....	248 63	300 00	.....	51 37
Union Square.....	.....	993 45	1,050 00	.....	56 55
Wilkens Ave. Squares..	.....	2,377 47	2,500 00	.....	122 53
Fulton Ave. Squares and Baker Circle.....	119 45	2,813 38	2,694 00	.....	07
HEALTH DEPARTMENT.					
General Health	12,000 00	12,026 50	26 50	.....	.....
Salaries	36,100 00	35,288 66	.....	.....	811 34
Nuisances	12.000 00	11,978 13	.....	.....	21 87
Quarantine Hospital....	18,000 00	17,871 13	5,977 54	.....	6,106 41
Post Mortems	1,500 00	1,500 00	.....	.....	.....
Remov'g filth from docks	4,000 00	3,898 31	.....	.....	101 69
Removal of refuse from packing houses	5,000 00	5,000 00	.....	.....	.....
Furnishing the Morgue.	500 00	497 85	.....	.....	2 15
HARBOR BOARD.					
Dredging, salaries, &c..	50,000 00	49,885 37	.....	.....	114 63

STATEMENT A—Continued.

Accounts.	Appropriations	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
Ice-boat F. C. Latrobe..	$10,000 00	$7,646 09	.....	.....	$2,353 91
Repairs of wharves.....	3,000 00	2,972 32	.....	.....	27 68
Dredging Sp'g Gardens.	1,115 63	1,115 63	.....	.....	.....
Printing Harbor Laws..	150 00	95 60	.....	.....	54 40
Removing ashes from tow boats	5,000 00	3,523 77	.....	.....	1,476 23
Removal of Cross street wharf	250 00	152 12	.....	.....	97 88
CITY COLLECTOR.					
Salaries, incidentals, &c.	53,300 00	53,290 66	.....	.....	9 34
Appeal Tax Court.....	400 00	320 61	.....	.....	79 39
CLEANING STREETS.					
Salaries, cleaning streets, &c	260,062 00	257,811 39	912 76	.....	3,163 37
Removal of garbage	8,500 00	8,500 00	.....	.....	.....

CITY POOR.					
Bayview Asylum.....	95,200 00	95,073 09	2,924 36	.....	3,051 27
House of Refuge.....	20,000 00	19,991 89	.....	.....	8 11
House of Reformation..	10,000 00	10,000 00	.....	.....	.....
St. Mary's Industrial School.....	20,000 00	20,000 00	.....	.....	.....
Baltimore University...	5,070 00	4,860 95	.....	.....	209 05
Maryland General Hospital.....	7,605 00	7,545 09	.....	.....	59 91
Mount Hope Retreat....	30,000 00	31,000 10	2,540 00	.....	1,539 90
Maryland Hospital for the Insane.....	20,000 00	20,000 00	1,260 00	.....	1,260 00
Deaf and Dumb at Frederick.....	500 00	497 35	.....	.....	2 65
Maryland University...	6,760 00	6,760 00	.....	.....	.....
Washington University.	12,675 00	12,675 00	.....	.....	.....
Female House of Refuge.	4,000 00	4,000 00	.....	.....	.....
St. Vincent's Infant Asylum	5,000 00	5,000 00	.....	.....	.....
Home of the Friendless.	2,100 00	2,100 00	.....	.....	.....
Nursery and Child's Hospital	3,500 00	3,500 00	.....	.....	.....
St. Elizabeth's Colored Orphan Asylum.....	3,000 00	2,499 98	....	.....	500 02

STATEMENT A—Continued.

Accounts.	Appropriations	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
Industrial Home for Colored Girls	$2,500 00	$2,500 00			
Boys' Home Society	3,800 00	3,800 00			
St. Mary's Female Orphan Asylum	7,288 00	6,334 65			$953 35
Shelter for Aged Colored Poor	500 00	999 98		$499 98	
St. Mary's Home for Colored Children	500 00	500 00			
St. Joseph's House of Industry	1,000 00	1,000 00			
Hospital of the Good Samaritan	1,690 00	1,388 19			301 81
St. Joseph's Hospital	2,625 47	2,625 47			
Transportation of poor	1,500 00	626 38	31 25		904 87

Maryland Homeopathic Hospital	831 51	831 51			
Saint Agnes' Hospital	138 35	138 35			
Manual Training School at House of Refuge	5,000 00	5,000 00			
DISPENSARIES.					
Homeopathic Free	700 00	700 00			
North Eastern	900 00	900 00			
Eastern	1,000 00	1,000 00			
Southern	1,000 00	1,000 00			
Baltimore General	600 00	600 00			
" Medical	1,000 00	1,000 00			
Northwestern	400 00	400 00			
Physicians and Surgeons	1,000 00	1,000 00			
Woman's and Child's Hospital	500 00	500 00			
Baltimore University	1,000 00	1,000 00			
Maryland "	1,000 00	1,000 00			
Dental Surgery Hospital	500 00	500 00			
Eye, Ear and Throat Charity Hospital	500 00	500 00			
Maryland Homeopathic Free	500 00	500 00			
Evening Dispensary for Women and Girls	700 00				700 00

STATEMENT A—Continued.

Accounts.	Appropriations	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
Special Appropriations.	$6,696 86	$6,696 86	.....	.....	.....
GENERAL SUPERINTEND'T LAMPS' DEPARTMENT.					
Gasoline lamps, lamp pillars, &c.....	15,253 97	14,793 52	$246 10	.....	$706 55
Lamplighters, salaries..	46,514 00	46,514 00	.....	.....	.....
Inspecting gas meters...	.....	.....	2,059 50	.....	2,059 50
Livery and incidentals..	400 00	399 20	.....	.....	80
INSPECTOR OF BUILDINGS' DEPARTMENT.					
Salaries, incidentals, &c.	6,200 00	6,200 00	.....	.....	.....
Repairs of Public Schools	9,000 00	9,000 00	.....	.....	.....
" of City Property	20,000 00	20,000 00	.....	.....	.....
Permits for sheds, boilers, &c.....	.....	977 84	7,287 04	.....	6,309 20

Cleaning cesspools	1,200	00	1,110	87					89	13
Building Morgue	200	00	200	00						
Building addition to No. 7 School	6,000	00	6,000	00						
Painting Lexington Market	1,700	00	1,699	31					69	
Repaving Richmond Market	300	00	132	30					167	70
Building Public School No. 25	25,000	00	13,637	51					11,362	49
Building Primary School No. 13	87	07	87	07						
Extra out-door help	1,000	00	1,000	00						
Wood ceilings Public Schools	2,000	00	2,000	00						
Sanitary improvements	3,000	00	3,000	00						
Painting school houses	4,000	00	4,000	00						
Building Grammar and Primary School No. 19	35,000	00	19,711	76					15,288	24
Building Colored School No. 3	25,000	00							25,000	00
Building shed for Fire Boat	2,500	00	2,470	83					29	17
Building addition to Grammar School No. 7	6,000	00	6,000	00						

STATEMENT A—Continued.

Accounts.	Appropriations	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
Building English-German School No. 1	$25,000 00				$25,000 00
Remodeling Male Grammar School No. 15	4,500 00	$4,500 00			
Howard Zouaves Armory	500 00	500 00			
Remodeling No. 15 Engine House	13,000 00	13,000 00			
Repairing Fifth Regiment Armory	5,000 00	4,999 85			15
Repaving Lafayette Market	1,300 00	1,300 00			
Repaving Belair Market	6,500 00	6,500 00			
Building addition to English-German School No. 4	10,580 20	10,580 20			

Painting Northeast Market	500 00	499 80			20
Repairing walls, Record Office	6,450 00	6,450 00			
Building addition to Female Grammar School No. 16	8,000 00	8,000 00			
Building Harbor Master's shed	2,800 00	2,799 70			30
Printing Building Laws.	100 00	100 00			
CITY COMMISSIONER'S DEPARTMENT.					
Salaries, incidentals and livery	10,100 00	9,623 86			476 14
Repairs of paved streets	94,500 00	94,479 40	162 12		182 72
Repairs of bridges	6,229 83	6,218 04			11 79
Repairs of sewers	10,000 00	7,177 39	3,755 20		6,577 81
Light Street bridge	2,657 90	2,633 50	18 00		42 40
Iron plates		94 76	27 00	67 76	
Flag and stepping stones	5,000 00	4,994 87			5 13
Cross streets	3,000 00	2,635 36			364 64
Improvement Harford Run		462 01	30,435 66		29,973 65

STATEMENT A—Continued.

Accounts.	Appropriations	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
Repairs unpaved streets	$ 2,000 00	$ 1,992 51	.....	.....	$ 7 49
Preston street sewer....	10,532 90	1,206 16	.....	.....	9,326 74
Jenkins Run sewer.....	50,927 99	46,248 11	.....	.....	4,679 88
Fremont street sewer ...	98,154 72	60,289 68	.....	.....	37,865 04
Eager street sewer.. ...	12,027 25	8,467 02	.....	.....	3,560 23
Wolfe street sewer	21,040 12	3,888 52	.....	.....	17,151 60
Pulaski street sewer....	10,565 52	659 98	.....	.....	9,905 54
Rebuilding Light street bridge.....	59,077 44	56,431 97	.....	.....	2,645 47
Cross street sewer	107,660 18	76,017 96	.....	.....	31,642 22
Carey street relief sewer.	267,777 60	121,339 18	.....	.....	146,438 42
Paving Lafayette Market	15,785 29	13,041 15	.....	.....	2,744 14
Shelling Eastern avenue.	400 00	375 53	.....	.....	24 47
Paving streets, Hanover Market.....	11,774 08	10,484 66	.....	.....	1,289 42

Russell street bridge...	4,936 06	4,927 49	.....	.....	8 57
Monroe street bridge....	28,163 90	28,068 24	.....	.....	95 66
Howard street sewer....	11,891 21	11,890 01	.....	.....	1 20
Paving Fell's Point Market.....	1,255 50	1,255 50	.....	.....	.....
Shelling Fulton avenue.	1,100 00	1,099 58	.....	.....	42
Fulton avenue and Eagle street sewer.....	48,950 00	4,427 63	.....	.....	44,522 37
Sewer in Fulton avenue.	4,245 86	41 04	.....	.....	4,204 82
Trapping inlets Central avenue and McElderry street	1,200 00	1,024 64	.....	.....	175 36
Improvement, Jones' Falls.....	.....	75 00	745 75	.....	670 75
Inlets Wolfe street sewer	1,313 45	1,203 46	.....	.....	109 99
Building Douglas street bridge.....	35,000 00	39 00	.....	.....	34,961 00
Paving City property...	1,000 00	754 45	.....	.....	245 55
Shelling Ridgely and Bayard streets.....	2,500 00	2,416 79	2 70	.....	85 91
Regrading Lexington street	4,000 00	3,737 85	.....	.....	262 15
Read street sewer.....	38,600 00	11,751 88	.....	.....	26,848 12
Lovegrove alley sewer..	21,000 00	20,299 91	.....	.....	700 09

STATEMENT A—Continued.

ACCOUNTS.	Appropriations	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
Trapping sewer, Baltimore street and Central avenue	$ 150 00	$ 116 60			$ 33 40
Shelling East Baltimore street	400 00	383 56			16 44
Iron plates, Fayette and Exeter streets	700 00	545 42	7 60		162 18
Iron plates, Canton and Collington avenues	1,200 00	579 19			620 81
Iron plates, Lombard and Caroline streets	1,600 00	1,292 04			307 96
Iron plates, Canton avenue and Chester street	1,200 00	1,008 92			191 08

Iron plates, Bond street and Eastern avenue ..	1,050 00	815 08	.....	.....	234 92
Iron plates, Chester and Bank streets.....	650 00	618 89	.....	.....	31 11
Iron plates, Courtland street	1,200 00	833 59	.....	.....	366 41
Iron plates, Charles and Lee streets.....	1,550 00	1,345 27	.....	.....	204 73
Iron plates, Myrtle avenue and Mosher street.	1,400 00	895 06	.....	.....	504 94
Iron plates, Pennsylvania ave. and Mosher st.	1,600 00	1,081 55	.....	.....	518 45
Iron plates, Forrest and Gay streets.....	1,800 00	905 01	.....	.....	894 99
Iron plates, Canton and Elliott streets.....	650 00	575 48	.....	.....	74 52
Iron plates, Chesapeake and Hudson streets...	400 00	399 26	.....	.....	74
Flag stones, German and other streets.....	225 00	171 88	.....	.....	53 12
Trapping inlets, Baltimore and Arch streets	1,300 00	1,282 09	.....	.....	17 91
Trapping inlets, Pennsylvania avenue and St. Mary street.....	700 00	698 07	.....	.....	1 93

STATEMENT A—Continued.

Accounts.	Appropriations.	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
Trapping inlets, Pennsylvania avenue and Oxford street	$ 700 00	$ 503 36			$ 196 64
Trapping inlets, Myrtle avenue and Mulberry street	700 00	682 52			17 48
Trapping inlets, McMechen street and Foster alley	250 00	230 08			19 92
Trapping inlets, Harlem avenue	900 00	461 34			438 66
Trapping inlets, Calhoun street	400 00	134 00			266 00
Trapping inlets, Howard and Lexington streets.	750 00				750 00

Building North avenue bridge	100,000 00	16,186 91			83,813 09
Extension of Dolphin street sewer	69 48				69 48
Paving street, Richmond market	8,766 88	8,766 88	2 45		2 45
Eden street sewer	36,000 00	26,087 46			9,912 54
Paving streets, Southern Police Station	2,354 46	2,354 46			
Inlets Booth street	800 00	409 05			390 95
Ann and Gay street sewer	11,000 00	9,766 83			1,233 17
Repairing west Madison street	200 00				200 00
Inlets Eager and Chapel streets	500 00	316 58			183 42
Inlets Schroeder's Run	1,200 00	484 59			715 41
Kerbing Park avenue	12,000 00	3,365 49			8,634 51
Kerbing Fulton avenue	1,200 00	1,088 87			111 13
Sewer in McHenry street	17,700 00				17,700 00
Repairing Aisquith St.	300 00	300 00			
Pulaski and Franklin street sewer	48,000 00	24,005 30			23,994 70
Approaches Monroe St. bridge	1,000 00	969 62			30 38
Druid Hill avenue sewer	190,000 00	10,691 51			179,308 49

STATEMENT A—Continued.

Accounts.	Appropriations.	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
Repairing Ferry Point Road	$500 00	$480 43			$ 19 57
Bush street sewer	370,000 00	5,698 00			364,302 00
Shelling Monument St. and Loney's lane	700 00	662 17			37 83
Iron plates Gilmor St.	1,300 00	1,102 94			197 06
Vaults and areas			1,237 30		1,237 30
Repairing and repainting Calvert street bridge	2,500 00	1,886 73			613 27
Repairing floor of St. Paul street bridge	946 27				946 27
Repairing floor of Biddle street bridge	129 84	129 84			
Cedar avenue bridge	783 92	783 92			

Repairing and painting City Dock Drawbridge	2,926 60	2,925 69	.....	.....	91
Repairing and painting St. Paul street bridge.	3,400 00	3,293 00	.....	.....	107 00
Repairing and painting North street bridge ..	1,000 00	936 67	.....	.....	63 33
Stone gutters Park avenue and Saratoga St..	1,400 00	771 48	.....	.....	628 52
FIRE DEPARTMENT.					
Salaries, new apparatus, repairs, &c	281,060 71	281,060 71	143 30	.....	143 30
Fire boat for the harbor.	17,425 36	17,425 36	.....	.....	.....
Indicators at engine houses	1,250 00	1,250 00	.....	.....	.....
Keyless doors on fire alarm boxes	1,750 00	1,750 00	.....	.....	.....
Fire alarm boxes various places	2,750 00	2,708 25	.....	.....	41 75
Lot for engine house, south Baltimore.....	2,400 00	2,178 60	.....	.....	221 40
MISCELLANEOUS.					
Mayoralty.....	2,000 00	1,969 41	.....	.....	30 59
Auction duties.....	.....	.....	8,719 60	.....	8,719 60
Superintend't City Hall	17,340 00	15,438 55	.....	.....	1,901 45
City Librarian.....	7,800 00	7,023 38	30 68	.....	807 30

STATEMENT A—Continued.

Accounts.	Appropriations	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
Refunded taxes	.....	$3,494 10	.....	$3,494 10	.....
Court House	$6,114 00	5,266 86	.....	.....	$ 847 14
Masonic Hall	3,756 92	3,646 70	.....	.....	110 22
General expense	1,500 00	1,051 90	.....	.....	448 10
Public Printing	1,625 91	876 81	378 00	.....	1,127 10
Sale old material, 1928 Loan	.....	.....	492 20	.....	492 20
Trapping inlets southwest corner Howard and Lexington streets.	750 00	.....	.....	.....	750 00
Liquor Licenses	.....	.....	384,012 17	.....	384,012 17
Salaries	75,069 50	74,889 59	.....	.....	179 91
Commissioners for Open-streets	250 00	160 25	.....	.....	89 75
Tax sales	.....	8,297 61	6,249 98	2,047 63	.....

Transportation to House of Correction	400 00	165 50	.....	.....	234 50
Maryland Institute	6,000 00	6,000 00	.....	.....	.....
Insurance of Bay View Asylum	3,862 50	3,625 00	.....	.....	237 50
Ringing Mechanics' bells	200 00	200 00	.....	.....	.....
Winding Maryland Institute clock	75 00	75 00	.....	.....	.....
Elections	16,832 10	16 670 33	.....	.....	161 77
Enoch Pratt Free Library	50,000 00	50,000 00	.....	.....	.....
Ice boat Annapolis	10,000 00	7,500 00	.....	.....	2,500 00
Interest on stock debt	1,431,426 24	1,424,388 72	593,450 00	.....	600,487 52
Care of Circuit Court No. 2	900 00	845 06	.....	.....	54 94
Rent of Circuit Court No. 2	900 00	900 00	.....	.....	.....
Inspector of Gas and Oils, livery, &c	360 00	330 00	.....	.....	30 00
Sale of City property	.....	.....	250 00	.....	250 00
New insane building at Bayview	7,156 85	7,156 85	.....	.....	.....
City seals	.....	.....	22 65	.....	22 65
Insurance new insane building at Bayview	420 00	420 00	.....	.....	.....

STATEMENT A—Continued.

Accounts.	Appropriations.	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
Unclaimed damages.....	.....	$ 532 25	$ 696 08	.....	$ 163 83
Sale of No. 19 School House.....	.....	.....	25,000 00	.....	25,000 00
Purchase of lot for Public School No. 25.....	$15,400 00	15,312 50	.....	.....	87 50
Insurance of Manual Training School.....	1,200 00	1,200 00	.....	.....	.....
Files for City Library...	1,000 00	768 45	.....	.....	231 55
Binding Code of Public Local Laws.....	75 00	67 50	.....	.....	7 50
Equipping new insane building at Bayview..	9,900 00	9,899 67	.....	.....	33
Hose for various markets	1,050 00	445 47	.....	.....	604 53
Telephone conduits.....	.....	.....	4,150 50	.....	4,150 50

Lot for Colored School, No. 3	14,000 00	14,000 00			
Music in the parks	3,000 00	3,000 00			
Files in Comptroller's Department	1,600 00	1,550 00			50 00
Water main on Ostend st.	3,500 00	3,500 00			
Drinking fountains, various places	675 00	675 00			
Drinking fountain, Lancaster, west of Chesapeake street	150 00	150 00			
Drinking fountain, Russell and West streets	75 00	75 00			
Drinking fountain, Aisquith and Hoffman sts.	75 00	75 00			
Drinking fount'n, North and Harford aves.	75 00	75 00			
Drinking fount'n, Buren and Monument sts.	75 00	75 00			
Drinking fount'n, Eager and Concord streets	75 00	75 00			
Drinking fount'n, Greenmount ave. & Eager st.	50 00	50 00			
Railing around fountain, Riverside Park	300 00	300 00			

STATEMENT A—Concluded.

Accounts.	Appropriations.	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
Condemnation land in Druid Hill Park		$59,394 98	$59,844 98		$450 00
Repairs 4th Battalion, M. N. G.	$2,000 00	2,000 00			
Purchase of lot in South Balto. for engine house	2,400 00	2,178 60			221 40
Drawings and specifications for court house	3,165 00	3,165 00			
Insurance Baltimore City College & High Schools	1,275 00	1,275 00			
Purchase lot Mt. Royal ave. and Cathedral st.	1,500 00	1,500 00			
Water mains on Boston street	4,000 00	4,000 00			

Supt. construction fire and patrol boat	1,279 18	1,279 18			
Sprinkling Mt. Royal ave. and Calvert st.	1,250 00	1,250 00			
Conscience fund			83 12		83 12
Manual Training School at House Refuge	5,000 00	5,000 00			
Wm. L. Marbury, trustee, &c			52 00		52 00
Widening Lexington st., N.W. cor. Charles	37,500 00	37,500 00			
New City code	4,800 00	2,000 00			2,800 00
Turnpike dividends			208 90		208 90
Lot for school, southwest Baltimore	18,000 00				18,000 00
Lot and building Grammar School, No. 18	25,000 00				25,000 00
	$5,014,765 18	$3,895,645 44	$1,185,787 99	$6,109 47	$2,311,017 20

STATEMENT B.

Accounts.	Appropriations	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
Opening Collington ave.	.....	$ 40 00	.....	$ 40 00	.....
Opening McCulloh street	.....	2 00	.....	2 00	.....
Opening Pulaski street..	$5,724 02	9,393 42	$1,276 87	2,392 53	.....
Opening Nanticoke street	768 75	768 75	.....	.....	.....
Opening Russell street..	376 20	376 20	.....	.....	.....
Opening Spring street...	.....	100 00	.....	100 00	.....
Widening E. Balto. st..	.....	200,988 10	29,013 25	171,974 85	.....
Opening Madison street.	3,491 64	6,201 15	2,953 50	.....	$243 99
Opening Scott street....	124 74	124 74	.....	.....	.....
Opening Cooksie street.	.....	288 24	82 50	205 74	.....
Opening Douglas street.	.....	336,777 15	21,811 96	314,965 19	.....
Opening Calhoun street.	.....	846 00	1,275 00	.....	429 00
Opening alley, Calvert street to Hargrove al..	.....	2 00	.....	2 00	.....
Opening Ann street.....	15,487 81	22,175 43	7,209 50	.....	521 88

Opening Regester street.	11,282 56	17,425 25	6,685 25	.....	542 56
Opening Lanvale street.	.....	153 97	.....	153 97	.....
Opening Patapsco street.	8,035 83	4,897 94	1,487 50	.....	4,625 39
Opening Mount street...	437 77	2,330 50	2,385 75	.....	493 02
Opening Federal street.	.....	682 07	544 00	138 07	.....
Opening Beason street..	8,094 05	8,735 46	1,249 50	.....	608 09
Opening W. Balto. st...	.....	600 00	.....	600 00	.....
Opening Hollins street..	.....	651 00	.....	651 00	.....
Opening Brevard street..	.....	.....	1,361 57	.....	1,361 57
Opening Lovegrove al...	7,072 20	8,000 00	1,646 00	.....	718 20
Opening Whitelock st...	.....	387 59	.....	387 59	.....
Opening Fifth street....	.....	.....	97 05	.....	97 05
Opening Burke street...	3,740 33	.....	.....	.....	3,740 33
Opening Pinkney alley..	.....	192 50	.....	192 50	.....
Opening Morris alley...	.....	21 50	.....	21 50	.....
Widening Fayette street	.....	4,514 15	1,095 50	3,418 65	.....
Opening Chew street....	.....	87 15	2,110 06	.....	2,022 91
Opening Johnson street.	747 86	1,647 36	899 50	.....	.....
Opening Cannon street	.....	.....	15 00	.....	15 00
Opening Donaldson st...	26 34	28 84	2 50	.....	.....
Opening Covington st...	1,524 00	3,827 02	2,304 00	.....	98
Opening Townsend st...	.....	165 20	.....	165 20	.....
Opening Etting street...	.....	205 20	202 50	2 70	.....
Opening Castle alley....	23,815 65	32,738 57	10,752 75	.....	1,829 83
Opening Allen street....	.....	87 15	.....	87 15	.....

STATEMENT B—Continued.

Accounts.	Appropriations.	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
Opening Cleveland street	.....	$ 101 78	.....	$101 78	.....
Opening Ward street...	.....	26 15	.....	26 15	.....
Opening Riggs avenue..	$33,803 09	41,817 00	$7,531 62	482 29	.....
Opening Eutaw street...	.....	153 06	.....	153 06	.....
Opening Chase street...	.....	13 13	10 50	2 63	.....
Opening Andre street...	13,398 32	20,860 68	7,898 50	.....	$436 14
Opening Stockholm st..	.....	345 54	.....	345 54	.....
Opening Porter street...	.....	255 07	.....	255 07	.....
Opening Durham street.	.....	183 74	.....	183 74	.....
Opening Penn street....	.....	2,272 73	1,667 81	604 92	.....
Widening Union Dock..	.....	319 25	.....	319 25	.....
Opening alley, Eden to Spring street.....	.....	30 00	.....	30 00	.....
Opening Clare street....	8,584 18	9,188 56	3,050 00	.....	2,445 62
Opening Bethel street..	.....	192 81	.....	192 81	.....

Opening Dallas street		153 45		153 45	
Opening Ridgely street		2 00		2 00	
Opening Port Alley		113 35		113 35	
Opening Luzerne street		161 62		161 62	
Widening East and Clement streets		744 93		744 93	
Opening Forrest street		285 83		285 83	
Opening 10th street		134 45		134 45	
Opening 9th street		124 45		124 45	
Opening 7th street		298 89		298 89	
Opening Clifton avenue		309 96		309 96	
Opening Ducatel street		2 00		2 00	
Opening Wolfe street		307 02		307 02	
Opening Elgin avenue		135 52		135 52	
Opening 8th street		253 38		253 38	
Opening Northwest st		213 02		213 02	
Opening Windsor ave		233 20		233 20	
Opening Myrtle avenue		185 53		185 53	
Opening Payson street		2 00		2 00	
Opening alley, 10 feet, 1st to 2d street		68 10		68 10	
Closing Morris alley		128 44	298 35		169 91
Closing Carey street		58 94		58 94	
Closing 4th street		20 00		20 00	
Closing Belvidere road	5,269 21	8,261 12	4,795 20		1,803 29

STATEMENT B—Concluded.

Accounts.	Appropriations	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
Closing Sumwalt lane...	.....	$2 00	.....	$2 00	.....
Closing Half-Moon alley	.....	2 00	.....	2 00	.....
Closing Cornet street....	.....	2 00	.....	2 00	.....
	$151,804 55	$753,424 30	$121,712 99	$502,011 52	$221,104 76

TABLE G.

Amount paid for paving streets, also amount received from the City Collector, payments by sundry parties.

	Dr.	Cr.
Paving Madison avenue.....	$ 16 67	
" Fulton avenue.....	178 28	$ 39 23
" Mount Royal avenue..	504 71	
" Orleans street.....		23 91
" Clement street.....	268 55	
" Wilkens avenue.....	512 82	13 80
" East street.....	117 79	
" Gold street.....	101 82	
" Harlem avenuue.....	49 81	
" Washington avenue...	1,084 89	
" alley, Eagle street to Wilkens avenue.....	18 63	
" East Biddle street.....	1,569 80	
" Patterson Park avenue	883 53	
" Cannon street.....	1,179 60	
" East Baltimore street..		23 82
" Wolfe street.....	1,472 09	87 69
" Cathedral street.....	4,051 26	
" Camden street.....	4,208 29	
" Hollins street.....	11,233 87	
" Sharp street.....	3,646 66	
" Chester street.....	1,216 50	
" Mount street.....	4,158 05	4 00
" Interest.....		14 70
By balance, December 31, 1891.		36,266 47
	$36,473 62	$36,473 62

STATEMENT H.

Showing the Amount Expended in the Annexed Territory.

Accounts.	Appropriations	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
Gas and electric lights..	$11,089 24	$11,089 24	.....	.....	.....
Lamp pillars and lamps	5,000 00	4,997 83	.....	.....	$ 2 17
Lamplighters, salaries..	.....	10,508 29	.....	$10,508 29	.....
General Superintendent of Lamps, livery.....	300 00	300 00	.....	.....	.....
Health, salaries.....	3,800 00	3,179 98	.....	.....	620 02
Fire Department.....	30,110 93	30,103 75	.....	.....	7 18
Cleaning streets.....	17,284 00	16,759 15	.....	.....	524 85
Nuisances.....	1,820 00	1,814 00	.....	.....	6 00
Repairs streets, roads, &c.....	9,482 00	9,364 78	83 12	.....	200 34
Public Schools, general.	19,675 00	19,587 67	.....	.....	87 33
Public Schools, salaries.	76,325 00	76,314 40	.....	.....	10 60

Repairs of City property	3,000 00	3,000 00	.....	.....	.....
Building Annex School No. 13.....	11,323 06	11,323 06	.....	.....	.....
Direct tax.....	.....	.....	145,462 71	.....	145,462 71
Interest and discount...	.....	3,034 09	4,036 64	.....	1,002 55
City Collector, office expenses.....	2,600 00	2,599 92	.....	.....	08
Refunded taxes.....	.....	298 52	.....	298 52	.....
Fire plugs at Carroll....	250 00	250 00	.....	.....	.....
Grading and draining Hickory avenue.....	11,000 00	10,903 23	.....	.....	96 77
Repairing Brunswick st.	400 00	396 47	.....	.....	3 53
Repairing Oak street....	250 00	247 24	.....	.....	2 76
Building Annex School No. 3.....	533 78	42 53	.....	.....	491 25
Shelling Friendship lane	400 00	389 12	.....	.....	10 88
Repairing Huntingdon avenue	1,000 00	995 00	.....	.....	5 00
Repairing Mine Bank lane	200 00	134 79	.....	.....	65 21
Repairing Cedar avenue.	500 00	365 69	.....	.....	134 31
Repairing Brady avenue, Frisby street, &c.	1,200 00	1,149 13	.....	.....	50 87
Repairing Fourth street.	1,200 00	1,187 66	.....	.....	12 34
Repairing Brehm's lane.	250 00	250 00	.....	.....	.....

STATEMENT H—Continued.

Accounts.	Appropriations	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
Repairing Windsor Mill Road	$1,000 00	$ 996 28			$ 3 72
Putting in condition Gorsuch avenue	1,000 00	848 36			151 64
Culvert in Jefferson st.	1,500 00	1,445 68			54 32
Macademizing Edmondson avenue	2,000 00	1,994 24			5 76
Grading Jefferson street.	500 00	479 67			20 33
Repairing Garrison ave.	1,450 00	1,440 81			9 19
Repairing Valley and Mount streets	300 00	294 09			5 91
Repairing Old Frederick road	1,000 00	995 17			4 83
Repairing Maiden's Choice lane	650 00	646 79			3 21

Repairing Union Avenue bridge	1,000 00	996 68			3 32
Repairing Edmondson Avenue bridge	3,000 00	2,984 90			15 10
Special assessment, taxes in the Annex		1,193 06		1,193 06	
Building Annex School No. 11	21,000 00	9,279 08			11,720 92
Purchase of lot and building Annex School No. 10	12,000 00				12,000 00
Building addition to Annex School, No. 2	4,500 00	4,500 00			
Repairing Woodbury lane	1,500 00	1,492 59			7 41
Paving cellar of Annex School, No. 13	300 00	300 00			
Repairing Druid Hill avenue	3,500 00	2,933 23			566 77
Repairing Chestnut Hill avenue	100 00	83 04			16 96
Repairing Tenth street	300 00	295 20			4 80
Repairing Wilken's avenue	200 00	196 06			3 94

STATEMENT H—Concluded.

ACCOUNTS.	Appropriations	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
Repairing Merryman avenue	$1,296 00	$1,211 36			$ 84 64
Gravelling Mary street	200 00	198 74			1 26
Shelling Mine Bank lane	300 00	178 33			121 67
Repairing Falls Road	5,000 00	4,988 53			11 47
Gravelling Clifton street	300 00	297 63			2 37
Gravelling Linden avenue	200 00	197 00			3 00
Raising Gwynn's Falls bridge	2,500 00	2,490 41			9 59
	$275,589 01	$263,542 47	$149,582 47	$11,999 87	$173,628 88

Statement of the Internal Improvement 1928 Loan Account.

Statement of the Internal Improvement 1928 *Loan Account.*

	Appropriations.	Amounts expended in 1889.	Amounts expended in 1890.	Amounts expended in 1891.	Total expenditures.
Purchase of lot adjoining Eastern Female High School	$15,642 26	$15,642 26			$15,642 26
Purchase of lot and building, Grammar School No. 20	33,000 00	8,216 07	$24,666 63		32,882 70
Purchase of lot and building, Annex School No. 4	26,000 00	5,471 75	20,517 85		25,989 60
Building addition to Primary School No. 11	12,000 00	11,253 76			11,253 76
Purchase of lot and building, Primary School No. 32	33,000 00	11,803 15	21,000 00		32,803 15
Purchase of lot and building, Primary School No. 33	31,000 00		30,953 80		30,953 80
Purchase of lot and building, Primary School No. 24	28,500 00	12,222 65	16,277 35		28,500 00
Building Primary School No. 13.	21,000 00	7,903 13	13,009 80	$87 07	21,000 00
Purchase of lot and building, Annex School No. 3	25,000 00		24,466 22	42 53	24,508 75

Statement of the Internal Improvement 1928 *Loan Account.*

	Appropriations.	Amounts expended in 1889.	Amounts expended in 1890.	Amounts expended in 1891.	Total expenditures.
Purchase of lot and building, Primary School No. 31	$23,500 00	$2,504 00	$20,445 92	.....	$22,949 92
Purchase of lot and building, English-German School No. 5.	40,000 00	15,255 08	24,389 77	.....	39,644 85
Building Grammar School No. 8.	21,000 00	6,661 75	14,338 25	.....	21,000 00
Purchase of lot and building, Colored Primary School No. 1.	31,000 00	.....	.....	.....	.....
Purchase of lot and building, Annex School No. 13	30,000 00	.....	18,676 94	$11,323 06	30,000 00
Purchase of lot for Colored School No. 3	7,357 74	.....	.....	7,357 74	7,357 74
Building Manual Training School	25,000 00	12,230 68	12,769 32	.....	25,000 00
Purchase of park in Southwest Baltimore	45,000 00	.....	44,500 00	500 00	45,000 00
Patterson Park extension	200,000 00	14,252 46	54,593 11	70,015 09	138,860 66
Carroll Park repairs	5,000 00	.....	.....	5,000 00	5,000 00
Rebuilding Light Street bridge	160,465 00	7,375 22	94,012 34	56,431 97	157,819 53

Cedar Avenue bridge	60,000 00	682 07	59,282 84		59,964 91
Wilkens Avenue bridge	6,000 00	5,965 34			5,965 34
Russell Street bridge	5,000 00		63 94	4,927 49	4,991 43
Monroe Street bridge	28,000 00		171 10	18,268 24	18,439 34
Boston Street bridge	19,000 00	132 57	17,553 98		17,686 55
Preston Street sewer	85,000 00	21,585 95	52,893 15	1,206 16	75,685 26
Mount Royal Avenue sewer	11,000 00	10,223 74			10,223 74
Fulton Avenue sewer	23,000 00	17,063 04	1,691 10	41 04	18,795 18
Ensor Street sewer	5,000 00	4,982 98			4,982 98
Lovegrove Alley sewer	21,000 00			20,299 91	20,299 91
Wolfe Street sewer	58,700 00	5,643 68	32,016 20	3,888 52	41,548 40
Presbury Street sewer	33,500 00	16,680 59	3,782 71		20,463 30
Low Street sewer	5,500 00	4,854 58	74 96		4,929 54
Jenkins Run sewer and extension	100,850 00	3,676 77	32,895 24	46,248 11	82,820 12
Eager Street sewer	53,300 00	5,958 59	35,313 86	8,467 02	49,739 47
Eutaw and Fremont Street sewer	175,000 00	9,418 99	67,427 95	60,289 68	137,136 62
Pulaski Street sewer	45,000 00	2,580 61	31,853 87	659 98	35,094 46
Eden Street sewer	36,500 00			26,087 46	26,087 46
Bush Street sewer	370,000 00			5,698 00	5,698 00
Carey Street relief sewer	275,000 00		7,222 40	121,339 18	128,561 58
Patapsco Street sewer	3,000 00	2,979 65			2,979 65
Patterson Park sewer	35,000 00	33,191 19	237 66		33,428 85
Cross Street sewer	112,000 00		4,339 82	76,017 96	80,357 78
Dolphin Street sewer	12,000 00		11,930 52		11,930 52
Howard Street sewer	16,000 00		4,108 79	11,890 01	15,998 80
Read Street sewer	38,600 00			11,751 88	11,751 88
McHenry Street sewer	17,700 00				
Ann and Gay Street sewer	11,000 00			9,766 83	9,766 83

Statement of the Internal Improvement 1928 *Loan Account.*

	Appropriations.	Amounts expended in 1889.	Amounts expended in 1890.	Amounts expended in 1891.	Total expenditures.
Druid Hill Avenue sewer	$190,000 00			$10,691 51	$10,691 51
Fulton Avenue and Eagle Street sewer	48,950 00			4,427 63	4,427 63
Pulaski and Franklin Street sewer	48,000 00			24,005 30	24,005 30
Inlets, Wolfe Street sewer				1,203 46	1,203 46
Penn Street sewer	61,000 00				
Paving Cathedral street		$23,391 11	$38,049 13	4,051 26	65,491 50
Paving Monument street		87 51	4,464 58		4,552 09
Widening East Baltimore street	250,000 00	658 69	1,566 45	171,974 85	174,199 99
Widening Fayette street	550,000 00	681 51	100 90	4,514 15	5,296 56
Opening Douglas street	400,000 00		63,348 27	314,965 19	378,313 46
Paving Dolphin street		5,051 28			5,051 28
Paving streets around Hanover Market	12,000 00		225 92	10,484 66	10,710 58
Paving Lafayette Market	15,500 00		882 25	13,041 15	13,923 40
Paving streets around Southern Police Station				2,354 46	2,354 46

Paving streets around Richmond Market				8,766 88	8,766 88
Paving Hollins street				11,233 87	11,233 87
Paving Camden street				4,208 29	4,208 29
Paving Sharp street				3,646 66	3,646 66
	$4,050,565 00	$306,282 40	$906,114 89	$1,167,174 25	$2,379,571 54

ANNUAL REPORT

— OF THE —

INSPECTOR OF BUILDINGS

— TO THE —

Mayor and City Council of Baltimore,

— FOR THE —

Fiscal Year Ending December 31st, 1891.

REPORT.

OFFICE OF INSPECTOR OF BUILDINGS,
CITY HALL.

BALTIMORE, MD., December 31st, 1891.

To the Honorable the Mayor
and City Council of Baltimore.

GENTLEMEN :

I have the honor to submit a report of the operations of this Department, for the year ending December 31st, 1891.

NEW SCHOOL HOUSES.

Annex School, No. 13, North Avenue and Washington Street.

This school house which was commenced last year, has been completed, and contains fourteen class rooms, with separate cloak room to each, and three teachers' rooms. It is well lighted, has wide corridors and stairways, and abundant means of exit. Smead's heating, ventilating and closet system was adopted in this house. The amount appropriated was $25,000, provided for by Ordinance No. 11, 1890, and the cost was within this amount. Mr. A. S. Brown was the contractor.

Primary School, No. 25, South Bond Street.

Ordinance No. 44 enjoins the erection of this house, and appropriated $25,000 for the pnrpose. The contract was awarded to Mr. Chas. Kratz, and the building is nearing completion. It contains sixteen class rooms with cloak rooms to each, two teachers' rooms and a large book room; the halls are spacious and amply provided with exits and stairways. The Smead system furnishes heat, ventilation and closet accommodations. It is an attractive, substantially built house, well lighted, and will be completed within the amount appropriated.

Grammar and Primary School, No. 19, Park Avenue and Hoffman Street.

As directed by Ordinance No. 5, plans, etc., were prepared for this house, and the contract awarded to Mr. Jas. B. Yeatman. The building is now under roof and rapidly approaching completion. It is the largest public school house in the City, having a frontage on Park avenue of 100 feet, and on Hoffman street of 148 feet; it contains twenty-four class rooms, with all other necessary accommodations for teachers and scholars; the corridors are wide, four broad stairways and six entrances affords ample means of exit, all the rooms are well lighted, and Smead's system provides heat and ventilation and furnishes the closets and other conveniences. The building is constructed of brick, with stone foundations and basement, is of neat

and attractive appearance, and well and substantially built.

Grammar School, No. 11, *Millington Avenue and Lehman Street.*

As enjoined by Ordinance No. 13, this school house is being erected by Mr. J. J. Willis, the successful competitor for the contract. The building is now under roof and will contain, when completed, twelve class rooms, wide corridors and stairways, ample exits and the usual conveniences for scholars and teachers. Smead's heating, ventilating and closet has been adopted for this building. The amount of the appropriation is $21,000.

Annex School, No. 10, *Carroll, Old Frederick Road and Fairview Avenue.*

Plans for this house have been made, but owing to delay in securing possession of the lot, have not yet been advertised for bids. The plans provide for a one-story building, with six class rooms, a large assembling hall and ample conveniences for teachers and scholars. The building will be constructed so that an additional story can safely be added at a future time. The appropriation for this house was $12,000, and is provided for in Ordinance No. 35.

Plans also are being prepared for Colored School House, No. 3, English-German School No. 1, and Grammar School, No. 18, and as soon as the lots are

legally secured to the City, will be offered to the contractors for estimates. Ordinances Nos. 8, 120, 104, respectively provide for the erection of these houses and appropriate $25,000 for each.

ALTERATIONS AND ADDITIONS TO SCHOOL HOUSES.

Grammar School, No. 15, Carrollton Avenue.

As directed by Resolution No. 56, this school house was remodeled, the building being completely gutted and new partitions erected, forming corridors which afford better means of exit and secure privacy to each class room, new floors were laid throughout, new cloak rooms provided, a new stairway and street entrance erected and new ceilings put up. This greatly needed change has made this house much more convenient and commodious.

Grammar School, No. 7, Eastern Avenue.

An addition has been built to this house as directed by Resolution No. 65. It consists of four large class rooms, corridor and cloak room. Smead's system provides closet accommodation for the whole school, and furnishes heat and ventilation for the new addition.

Grammar School, No. 16, Hull and Clement Streets.

An additional story has been erected on this house, consisting of eight class rooms, with corridors and the usual accommodation for teachers and schools, new

stairways were erected. This improvement has doubled the capacity of the school and greatly improved its appearance. Ordinance No. 31 enjoined the erection of this addition.

Grammar School, No. 17, Washington Street.

An extension to this school house was made in the rear, consisting of six class rooms, two teachers' rooms, two new stairways, with wide halls, and two new entrances. New partitions were also erected in the old portion of the building, forming corridors on each floor and securing privacy in each class room. Resolution No. 126 directed this extension to be made. The contractor was Mr. John Hughes, Jr., who executed the work in a satisfactory manner.

English-German School, No. 4, Chase and McDonogh Streets.

An addition in the rear of this school house was enjoined by Resolution No. 128. It consists of eight class rooms, new stairway, corridors and cloak room. Smead's closet system was furnished for the whole school, and their heating and ventilating system applied to the new addition.

Annex School No. 2, York Road, Waverly.

An addition to these school houses was made, consisting of four large class rooms, corridors and cloak rooms; these were erected between the two old school houses, joining same together and making one large

school house. Three new stairways were erected, new entrances formed, and the old schools remodeled to suit the new requirements. The whole now forms a convenient and commodious house. This improvement was enjoined by Resolution No. 124.

REPAIRS TO PUBLIC SCHOOL HOUSES.

Without enumerating the ordinary repairs incident to the wear and tear of school houses, I will mention a few of the principal items. Thirteen school houses were painted, receiving one or two coats as necessary. The roofs of twenty-nine schools were painted. New glass partitions were erected at Nos. 3 and 21 Grammar Schools and No. 23 Primary School, also at No. 10 Grammar School, as directed by Resolution No. 19. A large amount of broken glass was renewed, new fences have been erected, and many other necessary repairs accomplished, and I may venture the assurance that all our school houses are now in a fairly good state of repair.

CEILINGS OF SCHOOL HOUSES.

The dangerous ceilings in the school houses are being secured as promptly as the appropriations will admit. Thirty-three plaster ceilings have been substituted with wood and steel during the past year.

ENGINE HOUSES.

Engine House, No. 15, West Lombard Street.

Ordinance No. 25 enjoined the rebuilding of this house and appropriated $13,000 for the purpose. The

work has been accomplished and a much larger and more convenient house has been erected on the site of the old one. On the first floor accommodation has been provided for the fire engine, hose carriage, water tower and Chemical Engine No. 8, with the necessary stalls for each apparatus. A hospital for sick horses containing seven box stalls, occupies the rear portion of this floor. The second story contains a large bed room, bath rooms and closets, linen room, store room, workshop and hay loft. A hose tower over 50 feet high was erected, an elevator furnished, and all the most approved appliances and facilities adopted. In the arrangement of this house the fire department was consulted and their requirements fulfilled. The front is a neat Romanesque design, the first floor is laid with granolithic pavement; the house is well built and one of the best arranged in the city. Mr. James B. Yeatman was the contractor.

Engine Company, No. 16, *Fire Boat.*

A frame house was erected for the accommodation of this company on Commercial Wharf; it contains sleeping rooms, sitting room, bath and closet, and is covered outside with sheet steel. Resolution No. 281 directed this house to be built.

The principal items of repairs to the engine houses consist of new floors to Engine Houses Nos. 1, 7 and 9, and to Truck Houses Nos. 1 and 2. New doors and pavement to Engine House No. 2. New tin roof to

Truck House No. 4. Engine Houses No. 6, 9 and 14, and Truck House No. 6 were painted and Engine House No. 9 was remodeled. We are indebted to the Board of Fire Commissioners for valuable aid and assistance rendered by Chief Hennick and his staff in keeping the engine houses in repair.

MARKET HOUSES.

Belair market received the largest share of the amount set apart for repairs to markets. The wood and iron work and roofs were repaired and thoroughly painted and a granolithic pavement was laid to three squares of this market, as directed by Resolution No. 125.

Lexington market. The roof, spouting and woodwork was repaired and the market houses painted, as authorized by Resolution No. 11. The cement pavement between Eutaw and Greene streets is completely worn out and a new pavement badly needed. I respectfully suggest that an appropriation be made for this purpose.

Lafayette market was repaved, as enjoined by Resolution No. 129.

North Eastern market was repaired, and the roof painted, as directed by Resolution 143.

Richmond and Centre markets. The roofs were repaired and painted.

Broadway market. An additional shed was erected.

All the markets were kept in order, and whitewashed where necessary.

CITY HALL.

The most costly of the repairs in this building was the re-arrangement of the water pipes in the basement, connecting the boilers; they are now arranged so that if an accident happened to any one of the boilers it can be disconnected without interfering with the service of the other three.

Several objectionable closets have been removed and replaced with improved sanitary apparatus, and all needed repairs received prompt attention.

COURT HOUSES.

The several Court Houses have been kept in order, the roofs painted and all necessary repairs executed.

It became necessary, on account of the change in the grade of Lexington and St. Paul streets and Court House lane, to erect new granite steps to the entrance of the Record Office and the City Court, to lower the foundations of the iron fences and reset the same, to extend the elevator in Record Office to the basement, to alter the grade of lot, and re-sod the same and make numerous other alterations caused by this improvement. Resolutions Nos. 180 and 308 authorized this work to be done.

CITY JAIL.

The amount allowed for repairs to the jail was expended chiefly for materials, the work being done mostly by the inmates, under the direction of the Warden, Mr. Daniel Constantine.

CITY MORGUE.

This building was completed early in the year and handed over to the Mayor and Health Commissioner. A much needed want has been supplied by the erection of this useful institution.

FIFTH REGIMENT ARMORY.

The amount appropriated by resolution No. 108 ($5,000.00) was expended in repairing and furnishing the armory, to the entire satisfaction of Col. Wm. A. Boykin.

FOURTH BATTALION ARMORY.

The repairs to this building were executed under the directions of Col. Millard Howard. Resolution No. 181 appropriated $2,000 for the purpose.

HOWARD ZOUAVES.

Resolution No. 146 appropriated $500 for work to be done at Broadway Institute for this company; it was executed as directed by Capt. Geo. T. Robinson.

LUMBER SHED FOR HARBOR MASTER.

A large shed for the protection of lumber was erected near the drawbridge, as directed by Ordinance No. 124.

DOG POUND.

The fences and pens were repaired and all the buildings were well whitewashed.

CESS POOLS.

All cesspools were kept clean during the year.

BUILDING LAWS.

A great many cities in the Union, some with less than a fifth of the population of Baltimore, have at various times applied officially to this department for a copy of our Building Laws; it was very mortifying to have to acknowledge that Baltimore had no code of laws to regulate the construction and inspection of her new buildings. It is therefore gratifying to this department that we have at last succeeded in getting a code of Building Laws passed, which we trust will secure to the public safer and more substantial buildings. The work in this department has increased so much during the past few years, and together with the increased duties devolving upon this office to carry out the provisions and prevent the violation of the new Building Law, render it necessary that at least four additional deputy assistants be appointed. The new

law goes into effect on the first day of January, 1892. In accordance with Resolution No. 311, two thousand copies of the Building Law were printed and are now being distributed to all applicants.

FIRE ESCAPES, DANGEROUS WALLS, ETC.

Whenever called upon, I have examined factories, warehouses and other buildings, and have issued notices for the erection of fire escapes, wherever in my judgement deficient means of exit rendered them necessary. During the year I have condemned, or ordered to be restored and made secure, 141 dangerous walls, and have issued 465 notices for repairs to chimneys, spouts, cornices, etc.

CITY PROPERTY—ANNEX.

A good substantial granolithic floor and front pavement were laid to No. 5 Engine House, Gorsuch avenue, and a similar floor to No. 6 Engine House, Belair road.

Grammar School, No. 3, Oak and Fifth streets. The yard was graded and paved, and a new fence erected.

The yards of School House, No. 1, Gorsuch avenue, were also graded and paved.

The cellar of Annex School, No. 13, North avenue and Washington street, was paved as directed by Resolution No. 197.

Several of the Annex schools were painted.

In submitting the following tables, it is gratifying to report an increase in the revenues of this office, as shown in Table B. The tables will show as follows:

A. The amount of appropriations and disbursements of this department during the year 1891.

B. The revenues of this office for the same period.

C. The estimates of the amounts required for this department for the year 1892.

To all which I beg respectfully to call your attention.

J. THEODORE OSTER,

Inspector of Buildings.

TABLE A.

Showing the Amounts Appropriated and Disbursed for the year 1891.

	Appropria'd	Expended.	Balance.
Repairs of Public Schools	$9,000 00	$9,000 00	
Repairs of City property	20,000 00	20,000 00	
Cesspools	1,200 00	1,111 87	$88 13
City property—Annex	3,000 00	3,000 00	
Incidentals	100 00	100 00	
Livery	600 00	600 00	
Salaries	5,500 00	5,500 00	
Sanitary improvements	3,000 00	3,000 00	
Building No. 13 Annex School	11,410 13	11,410 13	
Morgue	200 00	200 00	
Extra out door help	1,000 00	1,000 00	
Wood ceilings in public schools	2,000 00	2,000 00	
Painting school houses	4,000 00	4,000 00	
Painting Lexington Market	1,700 00	1,699 31	69
Building G. and P. School, No. 19	35,000 00	19,711 76	15,288 24
Building No. 3 Colored School	25,000 00		25,000 00
Building No. 3 Annex School	42 53	42 53	
Building No. 25 School	25,000 00	13,637 51	11,362 49
Remodeling M. G. School, No. 15.	4,500 00	4,500 00	
Building add'n No. 7 Gram. School	6,000 00	6,000 00	
Repairing 5th Md. Regt. Armory	5,000 00	4,999 85	15
Remodeling No. 15 Engine house	13,000 00	13,000 00	
Add'l story F. G. School, No. 16.	8,000 00	8,000 00	
Repaving Lafayette Market	1,300 00	1,300 00	
Addition E.-G. School, No. 4	9,000 00	9,000 00	
Addition No. 17 School	6,000 00	6,000 00	
Paving Belair Market	6,500 00	6,500 00	
Addition Annex School, No. 2	4,500 00	4,500 00	
Rep'g Howard Zouaves' Armory	500 00	500 00	
Purchase of lot and building Annex School, No. 11	21,000 00	9,279 08	11,720 92
Repairing N. E. Market	500 00	499 80	20
Repairing 4th Battalion Armory.	2,000 00	2,000 00	
Repairing walls Record Office	6,450 00	6,450 00	
Printing Building Laws	100 00	100 00	
Pav'g cellar No. 13 Annex School	300 00	300 00	
Rep'g Richmond Market pavem't	300 00	132 30	167 70
Building Harbor Master's shed	2,800 00	2,799 70	30
Building Fire-Boat house	2,500 00	2,470 81	29 19
M. and F. Grammar School, No.—	21,000 00		21,000 00
Building Prim. School at Carroll	12,000 00		12,000 00
Building Grammar School, No. —	25,000 00		25,000 00
Building E.-G. School, No. 1	25,000 00		25,000 00
Partition F. G. School, No. 10	250 00		250 00
Add'l story E.-G. School, No. 1	5,000 00		5,000 00
	$336,252 66	$184,344 65	$151,908 01

TABLE B.

Showing the Revenues of this Office for the year 1891.

Permits issued as follows:		
For 97 bay windows	$3,861 25	
For 649 frame sheds	1,892 20	
For 211 addition to sheds	167 79	
For 760 bath rooms	760 00	
Amount received for old material	18 50	
Amount received for tapping sewers	200 00	
		$6,899 74
Amounts received for advertising permits	$1,433 00	
Paid for same	977 84	
		455 16
Net revenue		$7,354 90

TABLE C.

Showing the Amount Required for this Department for the year 1892.

For the repairs of City property		
For Engine Houses	$8,000 00	
For City Jail	3,000 00	
For City Hall	5,000 00	
For Market Houses	5,000 00	
For Court Houses	4,000 00	
For Dog Pound and other property	1,000 00	
		$26,000 00
For repairs of Publis Schools.		12,000 00
For painting School Houses		6,000 00
For sanitary and other improvements		9,000 00
For substituting wood or iron for plaster ceilings		4,000 00
For emptying cesspools		1,200 00
For incidentals		100 00
For livery of two horses and repairs to wagons		600 00
For salaries		5,500 00
For repairs City property—Annex		8,000 00
For extra help		1,000 00
Amount carried forward		$73,400 00

Amount brought forward...	$73,400 00
For erecting new partitions and storm doors in school houses.	800 00
For partition Female Grammar School, No. 10.....	250 00
For the completion of No. 25 School.....	11,362 49
For the completion of No. 19 Grammar & Primary School.	21,065 00
For the completiion of No. 11 Annex School.....	11,720 92
For the completion of No. 10 Primary School, Carroll....	12,000 00
For the completion of Male and Female Grammar School, No. —.....	21,000 00
For the completion of Grammar School, No. 18.....	25,000 00
For the completion of English-German School, No. 1.....	25,000 00
For the completion of No. 3 Colored School.....	25,000 00
For the completion of additional story, English-German School No. 1.....	5,000 00
	$231,598 41

ANNUAL REPORT

—OF THE—

CITY LIBRARIAN

—TO THE—

MAYOR AND CITY COUNCIL OF BALTIMORE,

—FOR THE—

Fiscal Year Ending December 31st, 1891.

REPORT.

CITY LIBRARY,

BALTIMORE, MD., December 31st, 1891.

To the Honorable the Mayor and
City Council of Baltimore Md.

GENTLEMEN:

By requirement of Section 11, Article XXXII of the City Code, I respectfully submit an annual report of the operations of this department, for the year ending to date.

In my previous report, I endeavored to give a detailed statement of the requirements of this department as succinctly as possible, setting forth its responsibilities and necessities in hopes of having had such legislation as would have enabled me to do justice to both the office and myself, and for what those suggestions were, I most respectfully refer your Honor and the Honorable Members of the present Council to the report referred to.

That report will, I think, plainly show the responsibilities of the Librarian, and also the necessity of an in-

vestigation of his office, in order that the Council may comply with suggestions so essential to a proper administration of the affairs of the office.

In this connection it is but proper to state, however, that the late Council did recognize my recommendation for the protection of the records of your Honorable Body, and also for the preservation of other valuable archives, books, documents and papers of the several departments of the City Government by a ready appropriation of $1,000 for these purposes, and which has been of the greatest possible value to the records of the City, for with this means at my command I have placed in the library two "United States Document Filing Cabinets," into which the original papers of the Council for seven years past have been gathered together, and so arranged as to be of ready access for the reference of either Branch upon demand. The indexes of all Council papers have also been labelled for twenty years back.

In addition to this work the said appropriation has enabled me to have 470 valuable original and miscellaneous City Plats preserved by mounting them upon muslin, nearly every one of which were in a dirty and dilapidated condition, while many were in several pieces and unfit for reference. I had also rods and curtains put over the cases containing these plats to protect them from dust and dirt. The Inspector of Buildings has placed in the plat room an additional section of racks in order that there might be more

room for the plats, and thus protect them from crowding and the necessary injury occasioned thereby.

In the Library proper has been placed a book rack and curtain, and over another a rod and curtain. Besides these I have had one hundred and seven volumes bound or rebound; four hundred and ninety-six volumes labelled and eighteen documents framed. There have also been thirty-nine "new assessments" and five "books of diagrams" rebound for the Appeal Tax Court, and five books rebound in the Collector's office—a detailed statement of the cost of which will be found herein.

The resolution of January 31st, 1891, appropriating seventy-five dollars ($75) for binding one hundred and fifty copies of the five hundred "Public Local Laws," (received from the State Printer last year) for the Mayor, members of the Council and City officials, cost only sixty-seven dollars and fifty cents ($67.50), and the balance has been covered back into the treasury. All persons entitled to these bound copies have been furnished with the same.

The resolution of May 8th, 1891, to furnish the "Maryland University of Law" with certain City publications has been complied with. As these documents were on hand and previously paid for by the Council, there was no expense incurred.

The resolution authorizing and directing the Librarian and Comptroller to dispose of all the old messages

and reports, documents, ordinances and resolutions and journals of both Branches of the Council not needed for files has not been complied with since it has been impossible to procure a satisfactory bid for the same.

The late Council, by an appropriation of three hundred dollars ($300), allowed me thirty dollars ($30) a month additional to pay a temporary clerk, whose appointment for years past has been a necessity authorized by his Honor the Mayor and City Comptroller, and who before received only *thirty-dollars* per month out of the general appropriation for the Library, and I ask permission to repeat my suggestion, that the Librarian be allowed a clerk, legally authorized, in addition to his assistant, at a fair and reasonable salary, if it is expected that the duties of the department shall be kept up in a proper manner.

Again, duty demands that I ask your honorable attention to the *two* ordinances, copies of which are to be found upon pages 13 and 14 of the Librarian's report of December 31st, 1890, prepared at the advice of the late Honorable Mayor, and by the instructions of the City's Counsellor and Solicitor, as at present, concerning the "Proposals for Stationery and Printing," together with the statement that the adoption of either will remedy existing evils ; and in this connection will further say that questions are constantly arising between the Contractors and Librarian under the existing law that are anything but agreeable to

either, since a natural personal interest guides the one, while the other has a public duty to perform. These conflicting interests, the outcome of the present law, create a constant friction resulting in injury to both, and consequently I ask the enactment of one or the other of these ordinances referred to, at the same time recognizing the fact that in awarding the contract the Librarian has no responsibility except in the preparation of the specifications, in which again the aforesaid law hampers him so far as the best interests of the City are concerned.

ADDITIONS TO THE LIBRARY.

The following books, documents, pamphlets, &c., have been received during the year: Alleghany, Penna., Annual Reports, 1889-90; Austin, Texas, Annual Reports, 1890; Boston, Mass., Annual Reports Executive Departments, vols. 1 and 2, 1890; Chicago, Ills., Mayor's Message and Reports, 1889 Fourth Annual Report Board of Public Works, 1889, and Street Railway Review, 1890; Charleston, S. C., Mayor's Message and Reports, 1889; Concord, N. H., Annual Reports, 1890; Detroit, Mich., Mayor's Message and Reports, 1890; Gloucester, Mass., City Documents, 1890; Indiana, Third Bi-ennial Report Bureau Statistics, 1889 90; Lapeer, Mich., Sanitary Convention, 1890; Lynn, Mass., City Documents, 1889-90; Minneapolis, Minn., Annual Reports, 1890; Milwaukee, Wis., Annual Reports, 1890, and Charter, 1889; Michigan, Report State Board of Health, 1889, and Proceedings

Sanitary Convention, June, July and August, 1890; Massachusetts, Sketch of Harvard University ; New Haven, Conn., City Year Book and Annual Reports, 1889 and 1890 ; New Orleans, La., Report of Comptroller, 1890 ; New York City, Tax Commissioner's Report, 1890, and Pamphlet Message Mayor Grant, 1891; Niles, Mich., Proceedings Sanitary Convention, 1891 ; Newport, R. I., City Documents, 1890 ; Ohio, Fifth Annual Report State Forest Bureau, 1889 ; Oakland, Cal., Auditor's Report, 1889 90 ; Philadelphia, Pa., vols. 1, 2, 3 and 4, Mayor's Messages and Reports, 1890; Portland, Me., Report of Comptroller, 1890-91 ; Philadelphia, Pa., Comptroller's Report, 1890; Poughkeepsie, N. Y., Twenty Years Around the World, by John G. Vassar ; Reading, Penn., Mayor's Message and Reports, 1890 ; St. Louis, Mo., Annual Reports, 1889-90, Mayor's Message and Reports, 1890-91 ; St. Paul, Minn., Annual Reports, 1889-90 ; San Franciso, Cal., Municipal Reports, 1889-90 ; Troy, N. Y., Charter, Manual and Ordinances, 1891 ; Toledo, Ohio, Annual Reports, 1890 ; Texas, Annual Reports Agriculture, 1889-90.

FOREIGN REPORTS.

Montreal, Canada, Annual Reports, 1888-89; London, England, Foreign Missionary Conference, 1888, vols. 1 and 2 ; Ireland, Calendar of Ancient Record of Dublin, vol. 1 ; Berlin, Germany, City Reports, April, 1889, to March, 1890 ; Chili, Exposition of the Illegal Acts of Balmaceda by Pedro Montt, 1891 ; Paris,

France, Comptroller's Reports, vols. 1 and 2, 1884, and also Budget, 1888.

FEDERAL PUBLICATIONS.

From Secretary of Agriculture, Album of Agricultural Graphics, 1891, and Album Agricultural Statistics, 1891; from Secretary of Interior, Annual Reports Commissioner of Patents, 1889; Inter-State Commerce 4th Annual Report, 1890; Index to Proceedings of American Society of Microscopists.

War Department: Army Register, 1891; Report of Chief of Ordnance, 1890; Report Judge Advocate General, 1891.

Treasury Department: Report Comptroller of Currency, vols. 1 and 2, 1890; Report of the Director of the Mint, 1891.

State Department: Consular Reports, Nos. 121 and 122, 1890; 124, 125, 126, 127, 128, 129, 130, 131 and 132, 1891; Special Report on Beet Sugar Industry and Flax Cultivation, Special Report on Streets and Highways in Foreign Countries; also Special Reports Port Regulations in Foreign Countries; European Emmigration.

Department of Labor: Sixth Annual Report of Commissioner, 1890.

In addition to these, we are under obligations to Senator A. P. Gorman for copy of Dedication of Wash-

ington Monument, 1885; to Hon. Henry Stockbridge, Jr., Foreign Relations, 1889; Memorial Samuel J. Randall, 1890; Message and Documents, vol. 4, parts 1 and 2; Powell's Survey, 9th Annual Report, 1887–8; Commerce and Navigation, 1890; Commercial Relations, vols. 1 and 2, 1885–6; United States Statutes, 1889–90; Reports Director of the Mint, 1889, and Census Bulletins.

STATE PUBLICATIONS.

Annual Report Commissioner of Labor, 1889; 12th, 13th and 23d Annual Reports House of Refuge; Johns Hopkins' Register, 1890–91; Maryland Insurance Reports, 1890–91; State Comptroller's Reports, 1889–90; McDonogh School Catalogues for 1890–91.

From City Comptroller: 27 plats and street books; Old Almshouse Report, Plat, &c.

From State Librarian I have received Maryland Reports, 1889 and 1890, also copy of House and Senate Journals, 1866.

The City Printer, Mr. John Cox, has our thanks for copies of the Laws of Maryland for the years 1820, '22, '23, '24, '25 and 1823 and '25, 1826 and '27, for Acts of Assembly, 1826 and '28, and Ordinances, 2 vols., 1818, 1828 and '29. Have also received from him 150 copies First and Second Branch Council Journals for 1890–91; 200 copies Mayor's Messages and Annual Reports, and 200 copies of the Ordinances and Resolutions of 1890–91,

which I am and have been distributing to persons entitled to the same.

In addition to these, I have purchased the following books, viz:

Vols. 4 and 5 Century Dictionary; McSherry's History of Maryland, 1634 to 1848; 4 vols. Supplement Encyclopædia Britannica, and Fireman's Record of Baltimore.

The Park Commissioners have sent to the Library some coins, and Engineer Latrobe a knife found in Carroll Park.

BOOKS CONTRIBUTED OR EXCHANGED.

I have distributed in exchange copies of the Mayor's Message and Reports of the City Officers for 1890 to the Mayors of the following cities: Atlanta, Ga, Austin, Tex., Alleghany, Pa., Annapolis, Md., Boston, Mass., Brooklyn, N. Y., Concord, N. H., Cincinnati, O., Charleston, S. C., Chicago, Ill., Cambridge, Mass., Cleveland, O., Detroit, Mich., Gloucester, Mass., Halifax, N. S., Lynn, Mass., Louisville, Ky., Montreal, Can., Memphis, Tenn., Mobile, Ala., Milwaukee, Wis., New York, N. Y., Newark, N. J., New Haven, Conn., New Orleans, La., New Bedford, Mass., Norfolk, Va., Omaha, Neb., Providence, R. I., Philadelphia, Pa., Pittsburgh, Pa., Portland, Oregon, Reading, Pa., Richmond, Va., San Francisco, Cal., St. Louis, Mo., St. Paul, Minn., Salem, Mass., Savannah, Ga., Toronto,

Can., Toledo, O., Wilmington, N. C., Wilmington, Del., Washington, D. C., Dublin, Ireland, Paris, France, Berlin, Germany, London, England and Rome, Italy.

The following books have been given out upon the order of His Honor the Mayor, to wit: Ordinances and Resolutions, one copy each of the years 1881, 1882 and 1883, two of 1884, four of 1885, five of 1886, six of 1887, fifteen of 1888, sixteen of 1889, fourteen of 1890. First Branch Council Journals, one of 1862–3, two of 1881, one of 1885–6, six of 1888–9 and four of 1889–90. Second Branch Journals, one each of the years 1857, 1873, 1879–80, 1880–1 and 1885–6, four of 1888–9, four of 1889–90. Mayor's Messages and Reports of City Officers, five copies 1876, one of 1881, one of 1885, three of 1888, four of 1889, five of 1890; ten copies Public Local Laws, five copies of the History of the City Hall, twenty-three copies of the City Code and sixteen copies of the Supplement. To the Public School Library, Ordinances and Resolutions from 1797 to 1890, Mayor's Messages and Reports of City Officers from 1866 to 1891, First Branch Council Journals from 1859 to 1890, Second Branch Journals from 1859 to 1890, one copy of the History of the City Hall and one copy of the Sesqui-Centennial Report.

STATEMENTS.

The following Warrants have been drawn during the year 1891, *against the Appropriation for the City Library.*

Date.	Warrants.	To Whom Paid.	Amounts.	Remarks.
Jan. 29	943	Wm. J. C. Dulany Co.	$394 52	Contractors.
" 31	944	Ed. B. Towson	30 00	
Feb. 3	945	Stamps, $5; railroad ticket, $2	7 00	
" 12	946	Levy & Krey	28 45	5 doz. files & express.
" 14	947	B. H. Bowerman	5 85	Typewriting.
" 16	948	United States Express Company	65	Book from Chicago.
" 24	951	Wm. Baumgarten	3 00	2 rubber stamps.
" 25	952	Meals during Council	8 00	16 meals.
" 28	953	Ed. B. Towson	30 00	
Mar. 2	954	Wm. J. C. Dulany Co.	1,207 27	Contractors.
" 5	955	A. S. Abell & Co.	36 00	
" 16	959	G. T. Sadtler & Sons	75	1 thermometer.
" 21	961	Adams Express Company	85	Books from Springfield, Mass.
" 30	962	Wm. J. C. Dulany Co.	299 34	Contractors.
" 31	964	Ed. B. Towson	30 00	
April 1	965	Mary A. Short	4 50	Washing towels.
" 2	966	J. H. W. Cadby	5 75	2 books.

April 2	967	A. S. Abell & Co.	35	00	
" 3	968	Subscription Daily Herald		79	
" 6	969	Carson & Simpson	24	00	Ency'dia Britannica.
" 7	970	Subscription Daily American	1	62	
" 7	971	R. L. Polk & Co	5	00	Directory.
" 14	973	John Cox	43	20	Reports, 1890.
" 30	975	Ed. B. Towson	30	00	
" 30	976	Ed. B. Towson	60	00	
" 30	977	Wm. J. C. Dulany Co.	464	11	Contractors.
" 30	978	Adams Express Company		30	Books from Annapolis
May 8	980	A. S. Abell & Co.	15	00	
" 11	981	Meals during Council	15	00	30 meals.
" 28	982	Adams Express Company		35	Doc. for Paris.
" 28	983	Ed. B. Towson	60	00	
June 1	984	Wm. J. C. Dulany Co.	468	68	Contractors.
" 5	985	A. S. Abell & Co	15	00	
" 30	987	Ed. B. Towson	60	00	
" 30	988	Mary A. Short	4	50	Washing towels.
July 2	989	A. S Abell & Co.	15	00	
" 2	990	Wm. J. C. Dulany Co.	458	08	Contractors.
" 3	991	Subscription Daily Herald		79	
" 6	992	Subscription Daily American	1	62	
" 7	993	City Library	1	00	Ex book from Chicago
		Amount carried forward	$3,870	97	

Warrants Drawn during the year 1891—*Continued.*

Date.	Warrants.	To Whom Paid.	Amounts.	Remarks.
		Amount brought forward	$3,870 97	
July 22	995	Postage stamps	5 00	
" 31	996	Ed. B. Towson	60 00	
" 31	997	Wm. J. C. Dulany Co.	189 44	Contractors.
Aug. 6	998	A S. Abell & Co	15 00	
" 20	999	Ed. B. Towson	60 00	
" 31	1001	Wm J. C. Dulany Co.	112 76	Contractors.
Sept. 1	1002	Firemen's Record	2 50	Firemen's Record.
" 1	1003	A. S. Abell & Co.	15 00	
" 29	1005	Meals during Council	6 50	13 meals.
" 30	1006	Ed. B. Towson	60 00	
Oct. 1	1008	Mary A. Short	4 50	Washing towels.
" 1	1009	A. S. Abell & Co.	15 00	
" 1	1010	Subscription Daily Herald	79	
" 1	1011	Subscription Daily American	1 62	
" 1	1012	Wm. J. C. Dulany Co.	117 70	Contractors
" 24	1013	United States Express Company	25	Book from Annapolis.
" 31	1014	Ed. B. Towson	60 00	
Nov. 2	1015	Wm. J. C. Dulany Co.	182 18	Contractors.

Nov.	5	1016	A. S. Abell & Co.	15 00	
"	7	1018	Cushing & Co	24 25	2 vols. Century Dict'y & 72d Md. Reports.
"	24	1020	Meals during Council	3 50	7 meals.
"	30	1021	Wm. J. C. Dulany Co	1,025 95	Contractors.
Nov.	30	1022	Ed. B. Towson	60 00	
Dec	1	1023	A. S. Abell & Co.	15 00	
"	14	1024	United States Express Company	19 46	45 packages.
"	18	1025	Daily Herald	6 00	Advertis'g proposals.
"	22	1026	Mary E. Short	4 50	Washing towels.
"	22	1027	Subscription Daily American	1 62	
"	22	1028	The World	4 80	Advertis'g proposals.
"	23	1029	F. Raine	8 45	" "
"	23	1030	Chas. C. Fulton & Co	9 10	" "
"	23	1031	Evening News	9 75	" "
"	23	1032	A. S. Abell & Co.	10 15	" "
"	23	1033	Daily Record	3 00	" "
"	23	1034	W. J. Horsey & Bro	10 84	867 pads.
"	23	1035	Subscription Daily Herald	79	
"	29	1036	A. S. Abell & Co	15 00	
"	29	1037	Wm. J. C. Dulany Co.	937 01	Contractors.
"	29	1038	Ed. B. Towson	60 00	
			Total	$7,023 38	

The following Warrants have been drawn during the year 1891, *against the Special Appropriation of* $1,000 *for Files in the City Library.*

Date.	Warrants.	To Whom Paid.	Amounts.	Remarks.
Feb. 16	950	Robert C. McLanahan	$ 14 00	Binding 25 vols., letters, journals and laws.
Mar. 5	956	Hirshberg Bros. & Hollander	1 05	Framing documents.
" 5	957	Robert C. McLanahan	31 00	Binding 49 volumes, Reports, &c.
" 7	958	United States Express Company	60	Freight on double file.
" 18	960	Robert C. McLanahan	25 50	Labeling 230 volumes and binding 4.
" 31	963	C. K. Judson	284 00	Files for C'ncil papers
Apl. 9	972	Robert C. McLanahan	103 10	44 vols. Ap'l Tax Ct. 2 vols. City Collector.
" 21	974	Schneider & Fuchs	15 35	Framing 16 docum'ts.
May 2	979	Office Specialty Manufacturing Company	1 00	1 Lang doc. file.
June 12	986	M. L. Straus & Sons	12 00	1 book rack.
July 9	994	Robert C. McLanahan	40 90	Binding 26 vols., &c.

Aug. 24	1000	Robert C. McLanahan	80 00	Mounting 200 plats.
Sept. 5	1004	Robert C. McLanahan	74 80	" 187 "
Oct. 1	1007	Robert C. McLanahan	33 20	" 83 "
Nov. 7	1017	M. L. Straus & Sons	13 50	Rods, curtains, &c, plat room.
" 19	1019	Robert C. McLanahan	38 45	Binding, lettering, &c.
			$768 45	
Dec. 31		Balance in treasury	231 55	
		Total	$1,000 00	

Appropriation $75.00.

Feb. 16	949	Robert C. McLanahan	$67 50	Binding 150 copies Public Local Laws.
Dec. 31		Balance in treasury	7 50	
		Total	$75 00	

COST OF STATIONERY, PRINTING, &c., 1891.

In compliance with the 3d Section of the City Code, I beg to report that the stationery, printing, &c., for the several departments of the City Government during the year 1891 have cost:

	1890.	1891.
Appeal Tax Court	$ 170 70	$ 199 88
Baltimore City Jail	287 81	311 13
Bay View Asylum	151 40	131 70
City Collector	2,504 34	2,089 68
City Comptroller	248 23	291 43
City Register	420 90	171 78
City Commissioner	259 91	254 56
Commission of Examination	75	
Commissioners for Opening Sts	84 87	81 13
Commissioners of Street Cleaning,	52 57	14 54
Clerk Centre Market	3 54	1 28
" Canton Market	1 92	25
" Cross Street Market	70	94
" Belair Market	2 62	44
" Fell's Point Market	5 27	59
" Hanover Market	8 51	1 35
" Hollins Market	70	1 08
" Lexington Market	11 93	4 50
" Northeastern Market	1 05	35
" Richmond Market	1 74	1 69
Dog Pound	12 53	11 54
Examiner of Titles	9 47	3 35
Amounts carried forward	$4,241 46	$3,573 19

			1890.	1891.
Amounts brought forward			$4,241 46	$3,573 19
Fire Department			636 72	623 99
General Superintendent of Lamps			150 28	102 22
Health Department			1,020 27	1,336 25
Harbor Board			74 76	71 01
Harlem Park			7 50	
Harbor Master,	No. 1		2 18	30 22
" "	No. 2		2 22	3 12
" "	No. 3		3 29	2 50
" "	No. 4		11 44	7 98
" "	No. 5		12 57	17 88
Inspector of Gas and Oils			12 55	9 11
Inspector of Buildings			71 86	123 92
Jones' Falls Commission			75	
Janitor Old Masonic Temple			25	
Law Department			35 01	31 59
Library			661 44	
"	Clerk	$660 00		
"	10 books purchased	57 25		
"	Office records	83 30		
"	Express charges	22 51		
"	17 Lang files and drayage	6 95		
"	Postage	10 00		
"	1 letter press and stand	10 00		
Am'ts carried forwards		$850 01	$6,944 55	$5,932 98

			1890.	1891.
Am'ts brought forward.		$850 01	$6,944 55	$5,932 98
Library,	Washing towels..	18 00		
"	Newspapers.....	9 64		
"	Advertising.....	51 25		
"	Specifications, 1891–92.....	39 80		
"	Meals during Council.....	33 00		
"	Memorandum pads.....	9 72		
"	stationery	32 08		1,043 50
Mayor.....			159 97	261 76
Superintendent City Hall.....			98	3 00
Total expenditures.....			$7,105 50	$7,241 24
Out of Stock.....			208 32	217 86
Cash per Warrants.....			$6,897 18	$7,023 38
Covered back in Treasury.....			602 82	776 62
Appropriations.....			$7,500 00	$7,800 00

The following departments purchase their own stationery and pay for their printing, but all orders for same are given through the Librarian, viz :

	1890.	1891.
Chief Engineer Water Department.....	$ 172 31	$ 284 84
Park Commission.....	84 68	139 20
*Liquor License Commission.....	275 74	
Supervisors of Elections.....	1,461 17	1,216 95
Water Department.....	964 72	974 48
	$2,958 62	$2,615 47

*This department has made no requisitions during 1891 upon the Library, but have purchased their own supplies direct.

RECEIPTS FOR THE YEAR.

12 Ordinances and Resolutions sold	$18 00
18 Public Local Laws sold	6 93
12 Files to Fire Department sold	5 75
Total	$30 68

Respectfully submitted,

GEO. C. WEDDERBURN,

City Librarian.

ANNUAL REPORT

—OF THE—

CITY COLLECTOR

—TO THE—

MAYOR AND CITY COUNCIL OF BALTIMORE,

—FOR THE—

Fiscal Year Ending December 31st, 1891.

REPORT.

TAX DEPARTMENT,
CITY COLLECTOR'S OFFICE—CITY HALL.

BALTIMORE, January 1st, 1892

To the Honorable the Mayor
and City Council of Baltimore.

GENTLEMEN:

I have the honor to submit for your inspection the operations of this Department for the year ending December 31st, 1891, in the first twenty Wards of the City, and also in the Twenty-first and Twenty-second Wards.

The amount of money received from all sources during the year was $5,113,179.71.

On the levy of 1887—present basis $260,449,171—the total collections have amounted to $99\frac{92}{100}$ per cent.

On the levy of 1888—present basis $262,427,542—the total collections have amounted to $99\frac{69}{100}$ per cent.

On the levy of 1889—present basis $270,272,880—the total collections have amounted to $98\frac{15}{100}$ per cent.

On the levy of 1890—present basis $275,412,100—the total collections have amounted to $93\frac{56}{100}$ per cent.

On the levy of 1891—present basis $280,867,069—the total collections from May to December 31st, inclusive, amount to $71\frac{80}{100}$ per cent. Deducting amount of plant exempt from City taxation, the percentage collected amounts to $72\frac{31}{100}$ per cent.

Table A shows the monthly collections of both City and State taxes for the fiscal year, amounting to $5,113,-179.71. Of this sum the City's proportion was $4,668,-584.56, and that of the State $444,595.15.

Table B shows the bases of the several levies on which collections have been made during the past year, with the amounts collected on each levy; also the gross amounts received for opening, closing and widening, for paving streets, &c.

By this table it will be seen that there has been collected on account of taxes in arrears	$1,443,147 13
On account of levy of 1891	3,125,767 79
For opening, closing and widening streets	99,463 49
For paving	203 15
For numbering houses, account of 1887.	3 00
Total	$4,668,584 56

Table C shows the rate of tax per one hundred dollars, and the various items of the several levies from 1886 to 1891, inclusive.

Table D is an exhibit of the monthly receipts on the several levies from 1886 to 1891, inclusive; also receipts for opening, closing, widening and paving streets and alleys.

Table E exhibits the amounts collected during the past year, in accordance with the rates stated in table C, divided in separate items forming each levy; also the amount of interest received from accounts in arrears, and the amount of discount allowed for the prompt payment of current taxes.

Table F shows the bases and the basis collected upon within each year on levies of the years 1885 to 1891, inclusive, to December 31st of each year; also the levy of 1891, from date of levy to December 31st, 1891, and the levy of 1890 to December 31st, 1891.

Table G shows the percentage collected monthly from January 1st, 1891, to May, 1891, on the levy of 1890, and on the levy of 1891 to December 31st, 1891, inclusive.

Table H shows the receipts for opening, closing and widening streets and alleys during the year, amounting to $99,463.49.

Table I gives a statement of receipts for paving streets and alleys during the year, amounting to $203.15.

Table K is an exhibit of the amount of taxes collected, and the bases collected on from the 21st and 22d Wards during the year for both City and State.

These exhibits show that the total amount of taxes collected by this department during the year from the whole City, incuding the 21st and 22d Wards, amounts to $5,302,476.57, of which the City's proportion was $4,818,083.92 and that of the State $484,392.65.

These collections somewhat exceed the estimates made by the Committee of Ways and Means and may be regarded as fairly good. A special effort was made to collect *personal taxes in arrears* with gratifying results. I am sure that with a small additional increase of the force in this office a better result might be achieved.

The amount of work to be done in this department increases every year, and we are terribly hampered for room. Besides not being able to afford taxpayers reasonable facilities in dispatching their business with us, we are compelled to submit to an amount of confusion and a liability to losses or mistakes, and of injury to public records that continually threaten the department.

I therefore again appeal to your Honorable Body for an increase of room, and the authority to appoint an additional Deputy Collector, in order more effectually to perform the duties required of us.

I would again call your attention to the necessity of a thorough re-survey and the preparation of an *official* plat of the City, if not of the whole City certainly of the new wards, and the adoption of some final and decisive plan that would forestall the necessity of closing, re-opening and widening streets and alleys, whereby millions of dollars would in the future be saved the City. A moment's consideration of the enormous expense incurred in opening Douglas street, opening and widening Mt. Royal avenue, Baltimore street and Fayette street, and many others, will give some idea of the money that might be saved by a timely survey and location of streets likely to be required by the large population we may reasonably expect within the next half century.

In conclusion, I desire to return my sincere thanks to the officers connected with me in the department for their cordial co-operation, and likewise to all the officers of the City Government with whom I have had personal relations, and I must add to thousands of taxpayers who have universally shown the greatest patience and forbearance towards us on many annoying and trying occasions necessitated in large degree by a want of room and a want of sufficient service to wait upon them with greater comfort and dispatch.

All of which is respectfully submitted.

I have the honor to be,

Your obedient servant,

LEWIS N. HOPKINS,

Collector.

TABLES.

TABLE A.

Total City and State Taxes received from January 1st, 1891, to December 31st, 1891, inclusive.

1891.	CITY.	STATE.	TOTAL.
January	$889,299 59	$75,495 40	$964,794 99
February ...	78,837 88	6,558 32	85,396 20
March	67,079 51	5,758 21	72,837 72
April	54,223 23	4,500 85	58,724 08
May	2,019,775 69	172,288 10	2,192,063 79
June	278,268 59	24,784 45	303,053 04
July	177,608 73	18,117 23	195,725 96
August	129,133 43	34,480 66	163,614 09
September ..	151,228 84	15,810 91	167,039 75
October	181,658 53	18,818 78	200,477 31
November...	187,191 45	32,632 20	219,823 65
December...	454,279 09	35,350 04	489,629 13
	$4,668,584 56	$444,595 15	$5,113,179 71

TABLE B.

Recapitulation of Taxes Collected from January 1st, 1891, to December 31st, 1891, inclusive.

	Basis.	Rate per $100.	Tax.	Discount.	Net Tax.	Interest.	Total, including Interest and Discount.
1886.							
Personal	$80,260	170	$1,364 42	.....	$1,364 42	$350 78	$1,715 20
1887.							
Real	44,132	160	706 10	.....	706 10	140 67	846 77
Personal	146,341	160	2,341 44	.....	2,341 44	444 01	2,785 45
1888.							
Real....	574,435	190	10,914 25	.....	10,914 25	1,462 08	12,376 33
Personal	586,531	190	11,144 07	.....	11,144 07	1,463 23	12,607 30
1889.							
Real	9,622,216	190	182,822 10	.....	182,822 10	15,229 90	198,052 00
Personal	1,173,008	190	22,287 15	.....	22,287 15	1,828 53	24,115 68
1890.							
Real	57,592.153	185	1,065,454 79	.....	1,065,454 79	9,216 69	1,074,671 48
Personal	6,234,164	185	115,331 98	.....	115,331 98	644 94	115,976 92
	76,053 240				1,412,366 30		1,443,147 13

1891.							
Real....	$146,730,769	155	$2,274,326 86	$ 57,167 54	2,217,159 32	.....	2,274,326 86
Personal	54,931,674	155	851,440 93	36,757 89	814,683 04	.....	851,440 93
	$201,662 443			$93,925 43	$4,444,208 66	$30,780 83	$4,568,914 92
	$277,715,687						

Opening streets and alleys	99,463 49
Paving streets and alleys	203 15
New numbers	3 00
	$4,668,584 56

TABLE C.

Rate of Tax per Hundred Dollars.

	1886	1887	1888	1889	1890	1891
Police Department	28	27	27	27	29	28
Certain Expenses	9	8	9	10	8	9
Public Schools	23	23	24	23	26	23
City Poor	8	9	9	8	10	10
City Direct	69	56	66	79	70	46
Miscellaneous Stock	27	27	40	35	33	24
Opening Streets	4	8	13	5	6	4
Water Tax	2	2	2	2	2	2
Water 1926 Sinking Fund	....	....	....	½	½	1
Internal Improvement 1928 Sinking Fund	....	....	....	....	½	3
General Sinking Fund	....	....	....	½	....	5
	1.70	1.60	1.90	1.90	1.85	1.55

TABLE D.

Monthly receipts of Taxes on the several Levies from 1886 *to* 1891, *inclusive, for Opening Streets and Alleys, and for Paving Streets and Alleys, from January* 1*st*, 1891, *to December* 31*st*, 1891.

	Numbers.	1886.	1887.	1888.	1889.	1890.	1891.	Opening streets	Paving streets.	Total.
Januaay	$ 50	$442 68	$1,323 24	$7,347 89	$57,440 37	$821,974 61	.....	$ 707 50	$62 80	$ 889,299 59
February	50	.....	346 66	6,242 78	18,699 07	47,645 53	.....	5,903 34	.....	78,837 88
March	25	662 95	803 62	4,117 73	18,634 09	39,231 23	.....	3,587 02	42 62	67,079 51
April	25	185 34	386 30	1,020 88	11,649 58	35,822 84	.....	5,060 31	97 73	54,223 23
May	50	.....	187 21	721 80	13,781 16	37,790 79	$1,966,340 54	953 69	.....	2,019,775 69
June	25	.....	148 45	970 17	10,323 31	31,648 43	201,057 76	34,120 22	.....	278,268 59
July	..	.....	.....	1,361 60	8,362 41	32,987 56	122,168 94	12,728 22	.....	177,608 73
August	..	.....	.....	267 72	7,328 69	29,735 46	84,667 38	7,134 18	.....	129,133 43
September	..	195 84	.....	766 72	10,847 29	29,819 82	94,308 61	15,290 56	.....	151,228 84
October	..	.....	161 87	256 71	15,824 85	24,212 18	138,298 06	2,904 86	.....	181,658 53
November	50	.....	69 86	605 44	23,666 82	17,376 14	142,650 18	2,822 51	.....	187,191 45
December	25	228 39	205 01	1,304 19	25,610 04	42,403 81	376,276 32	8,251 08	.....	454,279 09
	$3 00	$1,715 20	$3,632 22	$24,983 63	$222,167 68	$1,190,648 40	$3,125,767 79	$99,463 49	$203 15	$4,668,584 56

TABLE E.

Division of Taxes received from January 1st, 1891, to December 31st, 1891.

	1886.	1887.	1888.	1889.	1890.	1891.	Total.
Police Department	$224 72	$514 28	$3,134 60	$29,147 09	$185,096 34	$547,687 65	$765,804 68
Certain Expenses	72 23	152 37	1,044 87	10,795 23	51,061 06	176,042 48	239,168 24
Public Schools	184 59	438 07	2,786 31	24,829 02	165,948 40	449,886 25	644,072 64
City Poor	64 21	171 41	1,044 87	8,636 17	63,826 29	195,602 72	269,345 67
City Direct	553 79	1,066 66	7,662 38	85,282 25	446,784 22	899,772 56	1,441,121 86
Miscellaneous Stock	216 72	514 29	4,643 87	37,783 32	210,626 85	469,446 56	723,231 61
Opening Streets	32 11	152 37	1,509 26	5,397 62	38,295 78	78,241 11	123,628 25
Water Tax	16 05	38 09	232 16	2,159 03	12,765 25	39,120 57	54,331 15
Water 1926 Sinking Fund	.....	.....	.....	539 76	3,191 29	19,560 28	23,291 33
Internal Improvement 1928 Sinking Fund	.....	.....	.....	539 76	3,191 29	58,680 81	62,411 86
General Sinking Fund	.....	.....	.....	.....	.....	97,801 37	97,801 37
	$1,364 42	$3,047 54	$22,058 32	$205,109 25	$1,180,786 77	$3,031,842 36	$4,444,208 66
Interest	350 78	584 68	2,925 31	17,058 43	9,861 63	.....	30,780 83
Discount	.....	.....	.....	.....	.....	93,925 43	93,925 43
	$1,715 20	$3,632 22	$24,983 63	$222,167 68	$1,190,648 40	$3,125,767 79	$4,568,914 92
Opening and Closing Streets and Alleys	.....	.....	.....	.....	.....	.....	99,463 49
Paving Streets and Alleys	.....	.....	.....	.....	.....	.....	203 15
New Numbers	.....	.....	.....	.....	.....	.....	3 00
							$4,668,584 56

TABLE F.

Of Percentage collected within the year on Levies of 1885 to 1890, to December 31st, 1890; also on Levy of 1891, from date of Levy to December 31st, 1891; also on Basis of 1890, to December 31st, 1891.

Year.	Basis.	Basis collected upon.	Per Cent.
1885	$253,913,271	$185,235,624	72.95
1886	256,240,655	187,918,451	73.33
1887	265,559,952	195,733,826	73.71
1888	267,516,724	190,212,983	71.10
1889	272,770,883	193,061,621	70.78
1890	278,249,691	193,856,812	69.67
1891 to Dec. 31, 1891.	280,867,069	201,662,443	71.80
1890 to Dec., 1891	275,412,100	257,683,129	93.56

TABLE G.

Showing the percentage collected monthly from January 1st, 1891, to May, 1891, on Levy of 1890, and on Levy of 1891, from May, 1891, to December 31st, 1891.

Basis.	Months.	Basis Collected upon.	Per Cent.
1890. $275,412,100	January	$44,431,060	16.13
	February	2,562,621	.93
	March	2,099,612	.76
	April	1,907,755	.70
1891. $280,867,069	May	$126,860,683	45.17
	June	12,971,469	4.62
	July	7,881,867	2.81
	August	5,462,412	1.94
	September	6,084,426	2.17
	October	8,922,456	3.17
	November	9,203,238	3.28
	December	24,275,892	8.64
		$201,662,443	71.80

Basis, December 31, 1891		$280,867,069
Less Plant exemption	$1,440,231	
Less Plant Consolidated Gas Co	590,219	
		2,030,450
		$278,836,619

Amount collected on $201,662,443, equal to 72.31 per cent.

TABLE H.

Summary of Receipts for Opening and Closing Streets and Alleys from January 1st, 1891, to December 31st, 1891.

Opening	Douglas street	$ 9,871 96
"	Cooksie street	82 50
"	Brevard street	1,361 57
"	Pulaski street	1,276 87
"	Castle street	8,166 00
"	Beason street	1,146 00
"	Johnson street	899 50
"	Five Lane	97 05
"	Covington street	2,304 00
"	Regester street	6,570 50
"	Riggs avenue	6,432 12
"	Donaldson street	2 50
"	Mount street	2,385 75
"	Ann street	6,369 50
"	East Baltimore street	24,153 25
"	Chew street	2,110 06
"	Andrew street	7,398 50
"	Clare street	3,050 00
"	Madison street	2,953 50
"	Etting street	202 50
"	Chase street	10 50
"	Patapsco street	1,297 50
"	Federal street	544 00
"	Penn street	1,667 81
"	Fayette street	1,095 50
"	Calhoun street	1,275 00
"	Lovegrove alley	1,646 00
Closing	Norris alley	298 35
"	Belvidere road	4,795 20
		$99,463 49

TABLE I.

Summary of Receipts for Paving Streets, from January 1st, 1891, to December 31st, 1891.

Paving	Orleans street	$23 91
"	East Baltimore street	23 82
"	Wolfe street	87 69
"	Wilkens avenue	13 80
"	Fulton avenue	39 23
Interest		14 70
		$203 15

TABLE J.

The collection during 1891 were $5,113,179.71, of which there were collected for the—

City	$4,668,584 56
State	444,595 15
	$5,113,179 71

The total amount collected in 1891		$4,668,584 56
Were on taxes in arrears,		
basis	$ 76,053,240	$1,443,147 13
On Levy of 1891	201,664,443	3,125,767 79
Opening streets and alleys		99,463 49
Paving		203 15
New numbers		3 00
		$4,668,584 56

In 1890 the bases collected on—

Were taxes in arrears	$ 71,929,949
Levy of 1890	193,856,812
	$265,786,761

Showing an increase in collection of 1891 over 1890 of $11,930,922.

CITY ANNEX.

TABLE K.

The collection for the Annex during 1891 were $149,499.36, of which there were collected on—

Levy of 1889	$ 6,981 01
Levy of 1890	37,904 70
Levy of 1891	104,613 65
	$149,499 36

The bases collected on were—

Levy of 1889	$ 1,076,833
Levy of 1890	6,237,030
Levy of 1891	17,435,609

State Annex.

The amounts of State taxes collected were—

Levy of 1889	$ 1,764 30
Levy of 1890	10,921 10
Levy of 1891	27,112 10
	$39,797 50

ANNUAL REPORT

— OF THE —

WATER DEPARTMENT

— TO THE —

Mayor and City Council of Baltimore,

— FOR THE —

Fiscal Year Ending December 31st, 1891.

OFFICERS OF THE WATER BOARD.

DECEMBER 31, 1891.

COMMISSIONERS.

HON. FERDINAND C. LATROBE, MAYOR, *Ex-officio President.*
JOHN F. HUNTER, *Secretary.*
WM. A. MARBURG,
JOHN E. HURST,
JOS. S. HEUISLER,
CLINTON P. PAINE,
FRANCIS H. HAMBLETON.

REGISTRAR'S DEPARTMENT.

E. SHRIVER, *Water Registrar.*
JAMES A. MARRIAN, *General Book-Keeper.*
JAMES S. ETCHBERGER, *Cashier.*
J. J. C. SCULLY, *Clerk of Errors.*
WM. GILMOR, OF WM., *Ledger Clerk.*
E. J. EDWARDS, "
A. J. C. WHITE, "
JOHN GIBSON, "
SAMUEL A. HART, "
J. BEALE HOWARD, "
E. A. HOGG, *Meter and New Supply Clerk.*
T. J. PENNING, *Ass't* " "
BENJ. PRICE,
GEORGE A. COLEMAN,
D. G. CARLISLE,
S. L. AUERBACH,
JOHN F. KERNS,
LEONARD C. HORNICK,
BARNEY L. HESS,
District Inspectors and Bill Distributors.
GEORGE W. EMMERICH, *Special Inspector.*

ENGINEER'S DEPARTMENT.

ROB'T K. MARTIN, *Chief Engineer.*
WM. L. KENLY, *Engineer and Superintendent of County Division.*
ROB'T L. CLEMMITT, *Draughtsman.*
J. P. HUPPMANN, *Clerk—Mechanical Department.*
RICH'D D. MURPHY, " " "

REPORT.

BOARD OF WATER COMMISSIONERS, CITY HALL,

BALTIMORE, January 2d, 1892.

To the Honorable the Mayor and
City Council of Baltimore:

GENTLEMEN:

In accordance with the ordinance creating the Water Department, we have the honor of submitting the following report for the year ending December 31st, 1891.

There remained to the credit of the Water Department December 31st, 1890:

Revenue account	$22,162 40
Permanent Supply account	3,833 52
1926 Water Loan	10,606 84
Making a total of	$36,602 76
And adding the net receipts from all sources during the year, 1891	$972,657 60
Gave aggregate available sum	$1,009,260 36
The disbursements during the year ended December 31st, 1891, amounted to	993,584 80
Leaving balance (subject to December bills) December 31st, 1891, of	$15,675 56

Composed as follows :

Permanent Supply	$3,833 52	
1926 Water Loan	11,842 04	
		$15,675 56

The total net collection during the year 1891, for water rents, plumbing bills, meter rents, &c.	$709,466 23
Appropriations made by Mayor and City Council	8,750 00
1926 Water Loan	200,000 00
From Chief Engineer to be credited to Water Loan	110 22
Water tax	54,331 15
	$972,657 60

The water rents for 1891, collected within that year, show an increase compared with the current year of 1890, of $12,860.

The receipts from meter rents in 1891, were	149,327 57
The same in 1890	128,659 34
An increase for 1891, of	$20,668 23

The receipts from back water rents, 1888, 1889 and 1890 during the year were $141,675.43.

Altogether, including plumbing department, appropriations, &c., the increase in the net collection for 1891 over 1890, amount to $61,990.77.

The disbursements for the past year were as follows :

For 12 months' interest on $10,300,000 Water Stock	$504,630 00
For construction of Guilford reservoir, eastern pumping station and force mains	161,829 83
For distributing mains	150,757 76
For working expenses, fire plugs, fountains, &c	176,367 21
	$993,584 80

The expenditure from the One Million Loan of 1926 has been up to date as follows :

For completion of Lake Clifton and Lake Clifton distributing mains	$539,375 98
Guilford reservoir	108,529 16
Eastern pumping station	91,261 22
Force main	180,930 54
Suction main	31,015 87
	$951,112 77

The application for new supplies during 1891, exclusive of applications for meters, were for 2,271 houses and warehouses ; with applications made for sundry special rents, an annual revenue is promised of $15,554.50, an increase of $1,879.20 over revenue of new supplies for 1890.

The number of new fire plugs erected during the year was 107, making a total of 1,359 fire plugs in the City.

During the year the building designed for the use of the Mechanical Department and the Eastern High Ser vice Pumping Station have been completed. The erection of this building was rendered necessary by the action of the City Council, in donating to the General Government for a post office site the property on North street, formerly used by the Water Department.

The rapid increase in the number of consumers upon the Jones' falls supply, and the decreased flow of the tributaries supplying Lake Roland, rendered it necessary for the Board to discontinue furnishing water for elevator or motor purposes from that source.

The supply from the Gunpowder river at an elevation of 163 feet, A. M. T., is practically unlimited, and will supply all the water needed for manufacturing purposes without endangering the domestic supplies.

For detailed statements of the financial, engineering and mechanical departments you are respectfully referred to the reports of the Water Registrar and Engineer in Chief.

FERDINAND C. LATROBE,
Ex-officio President,
JOHN F. HUNTER, *Secretary*,
WILLIAM A. MARBURG,
JOHN E. HURST,
F. H. HAMBLETON,
CLINTON P. PAINE,
JOSEPH S. HEUISLER,
Commissioners.

Water Registrar's Report.

REPORT.

WATER REGISTRAR'S OFFICE,—CITY HALL,

Baltimore, December 31st, 1891.

To the Honorable the President
and Members of the Water Board:

GENTLEMEN:

The following statements exhibit the receipts and disbursements of the Water Department for the year 1891, and are made, as directed by City Ordinance No. 10, Section 8. Respectfully submitted.

The receipts for the year were as follows:

From water rents 1891	$392,634 04
" " " 1890	129,021 69
" " " 1889	9,097 50
" " " 1888	3,556 24
	$534,309 47
Less discount on 1891 water rents	32,343 66
	501,965 81
From meter rents	149,327 57
	$651,293 38

Amount brought forward	$651,293 38
From plumbing bills	51,920 85
" interest on water rents	3,024 23
" Lake Roland	1,568 93
" Loch Raven	442 52
" distributing main	498 97
" Lake Montebello	287 67
" tools and fixtures	145 00
" Lake Clifton	272 08
" Druid Lake	12 60
" Mayor and City Council appropriations	8,750 00
" water tax	54,331 15
" Guilford reservoir	37 00
" force main	73 22
" 1926 Water Bonds	200,000 00
	$972,657 60

The disbursements for the year were as follows:

Paid Plumbing Department	$36,986 96
" repairs	21,138 49
" salaries, Registrar's Department	24,232 88
" " Engineer's "	8,649 92
" H. S. pump house	18,639 70
" temporary supply	600 00
" current expenses	4,800 91
" Druid Lake	2,019 06
" printing and stationery	1,416 09
Amount carried forward	$118,484 01

Amount brought forward	$118,484 01
Paid H. S. reservoir	300 76
" Hampden reservoir	864 41
" Mt. Royal reservoir	993 66
" Lake Montebello	24,840 11
" water courses	1,134 96
" Jones' falls conduit	120 00
" Loch Raven	6,794 23
" Lake Roland	4,078 36
" Lake Clifton	3,127 85
Working expenses	$160,738 35
" distributing mains	150,757 76
" fire plugs, pumps and fountains	9,018 25
" tools and fixtures	4,910 54
" returned money	1,700 07
" suction main	167 76
" eastern pumping station	32,963 02
" force main	105,782 92
" Guilford reservoir	22,916 13
" twelve months' interest on water bonds	504,630 00
	$993,584 80

The following statements exhibit in detail the financial transactions of the Department for the year 1891.

Statement A, Water Registrar's cash account.
" B, " " disbursement account.
" C, trial balance, general ledger.
" D, balance sheet.

Statement E, receipts.
" F, disbursements.
" G, new supplies.
" H, abatements.
" I, comparative receipts.
" K, balance remaining on the books of the Department, December 31st, 1891.
" L, Revenue.

Most respectfully submitted,

E. SHRIVER,
Water Registrar.

STATEMENTS.

STATEMENT A.

Water Registrar's Cash Account for the Year 1891.

		Dr.	Cr.
To balance on hand December 31st, 1890		$2,282 47	
To water rents, 1891	$392,634 04		
Less discount	32,343 66		
		360,290 38	
To water rents, 1890		129,021 69	
" water rents, 1889		9,097 50	
" water rents, 1888		3,556 24	
" meter rents		149,327 57	
" interest		3,024 23	
" plumbing bills		51,920 85	
" Lake Roland		1,568 93	
" Loch Raven		442 52	
" distributing mains		498 97	
" Lake Montebello		287 67	
" tools and fixtures		145 00	
" Lake Clifton		272 08	
" Guilford reservoir		37 00	
" force main		73 22	
" Druid Lake		12 60	
" water tax		54,331 15	
" appropriations by Mayor and City Council		8,750 00	
Amount carried forward		$774,940 07	

STATEMENT A—Continued.

	Dr.	Cr.
Amount brought forward.	$774,940 07	
To water stock, 1926, transferred for construction of new works.....	200,000 00	
By deposits with City Register, January.....		$116,180 22
By deposits with City Register, February		219,608 28
By deposits with City Register, March.....		38,789 99
By deposits with City Register, April.....		66,291 42
By deposits with City Register, May.....		43,483 58
By deposits with City Register, June		28,804 93
By deposits with City Register, July.....		66,065 85
By deposits with City Register, August.....		22,490 84
By deposits with City Register, September		15,670 42
By deposits with City Register, October.....		54,667 41
By deposits with City Reg-		
Amounts carried forward...	$974,940 07	$672,052 94

STATEMENT A—Concluded.

	Dr.	Cr.
Amounts brought forward	$974,940 07	$672,052 94
ister, November		214,984 83
By deposits with City Register, December		31,451 92
By water tax, 12 months		54,331 15
By balance on hand December 31st, 1891		2,119 23
	$974,940 07	$974,940 07

STATEMENT B.

Water Registrar's Disbursement Account for the Year 1891.

	Dr.	Cr.
To Water Board warrants drawn on the City Comptroller from January 1st to December 31st, 1891.....	$993,584 80	
By Eastern Pumping Station		$ 32,963 02
" force main.....		105,782 92
" Guilford reservoir		22,916 13
" distributing main.....		150,757 76
" plumbing department...		36,986 96
" repairs.....		21,138 49
" fire plugs		6,317 27
" high service pump house		18,639 70
" current expenses.....		4,800 91
" tools and fixtures.....		4,910 54
" Lake Montebello.....		24,840 11
" pumps and fountains ...		2,700 98
" Lake Clifton.....		3,127 85
" salaries, Engineer's Department.....		8,649 92
" salaries, Registrar's Department.....		24,232 88
" temporary supply.....		600 00
" stationery and printing..		1,416 09
Amounts carried forward...	$993,584 80	$470,681 53

STATEMENT B—Concluded.

	Dr.	Cr.
Amounts brought forward	$993,584 80	$470,681 53
To Loch Raven		6,794 23
" returned money		1,700 07
" Lake Roland		4,078 36
" Druid Lake		2,019 06
" Hampden reservoir		864 41
" Mount Royal reservoir		993 66
" high service reservoir		300 76
" water courses		1,134 96
" Jones' falls conduit		120 00
" suction main		167 76
" interest on water stock		504,630 00
	$993,584 80	$993,584 80

STATEMENT C.

DR. *Trial Balance, General*

Folio.		
6	Construction of new works	$3,155,437 88
8	Real estate and water rights	769,388 17
10	Gunpowder real estate and water rights	229,827 21
12	Gunpowder permanent supply	4,117,914 50
33	Mayor and City Council	13,556 33
89	Water Registrar's cash	2,119 23
150	Lake Clifton, construction	724,303 60
151	Lake Clifton	2,855 77
157	Guilford reservoir	108,529 16
168	Distributing mains	2,304,255 38
178	Lake Clifton distributing mains	409,991 92
186	Tools and fixtures	11,600 54
196	Water meters	10,697 26
208	Repairs	21,138 49
219	Lake Roland	2,509 43
222	Druid Lake	2,006 46
226	High service reservoir	300 76
230	Hampden reservoir	864 41
234	Mount Royal reservoir	993 66
238	Printing and stationery	1,416 09
244	Current expenses	4,800 91
256	Engineer's department	8,649 92
264	Returned money	1,700 07
269	Pumps and fountains	1,450 98
278	Loch Raven	6,351 71
283	Lake Montebello	24,552 44
287	High service pump house	18,639 70
296	Fire plugs	6,317 27
305	Eastern pumping station	91,261 22
319	Force main	180,930 54
322	Temporary supply	600 00
330	Water courses	1,134 96
334	Jones' falls conduit	120 00
338	Suction main	31,015 87
408	Discount	32,343 66
260	Registrar's department	24,232 88
		$12,323,808 38

STATEMENT C.

Ledger, *December* 31*st*, 1891. Cr.

Folio.		
1	City six per cent. water stock.....	$263,000 00
1	City five per cent. water stock.....	8,737,000 00
1	City four per cent. water stock....	1,500,000 00
2	Profit and loss.....	1,125,224 75
362	Plumbing department.....	11,922 36
446	Interest.....	3,024 23
492	Meter rents	149,327 57
528	1888 water rents	3,556 24
541	1889 water rents	9,097 50
559	1890 water rents	129,021 69
580	1891 water rents	392,634 04
		$12,323,808 38

STATEMENT D.

DR. *Balance Sheet, General*

Folio.		
6	Construction of new works	$3,155,437 88
8	Real estate and water rights	769,388 17
10	Gunpowder real estate and water rights	229,827 21
12	Gunpowder permanent supply	4,117,914 50
32	Mayor and City Council	13,556 33
89	Water Registrar's cash account	2,119 23
150	Lake Clifton construction	724,303 60
157	Guilford reservoir	108,529 16
168	Distributing mains	2,304,255 38
178	Lake Clifton distributing mains	409,991 92
186	Tools and fixtures	7,340 13
196	Water meters	10,697 26
306	Eastern pumping station	91,261 22
320	Force main	180,930 54
338	Suction main	31,015 87
		$12,156,568 40

STATEMENT D.

Ledger, December 31st, 1891. Cr.

Folio.		
1	City six per cent. water stock.....	$263,000 00
1	City five per cent. water stock.....	8,737,000 00
1	Four per cent. water stock.....	1,500,000 00
2	Profit and loss.....	1,656,568 40
		$12,156,568 40

STATEMENT E.

Receipts of the Water Department for the Year 1891.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Totals.
Water rents, 1891	$59,198 41	$225,105 15	$27,586 27	$11,561 11	$8,095 06	$8,178 80	$6,712 84	$5,950 91	$6,806 81	$6,140 50	$8,131 52	$19,166 66	$392,634 04
Water rents, 1890	22,486 90	13,690 89	9,668 13	21,450 46	30,135 54	15,387 46	9,088 67	3,250 83	1,725 66	618 08	1,113 15	405 92	129,021 69
Water rents, 1889	586 64	745 59	516 17	856 42	1,217 58	2,033 68	1,313 09	637 25	607 75	204 00	199 50	179 83	9,097 50
Water rents, 1888	57 00	161 75	222 08	201 50	400 75	856 50	640 16	485 50	285 00	100 00	95 50	50 50	3,556 24
Meter rents	36,549 17	310 83	180 23	29,173 48	631 93	148 23	36,061 34	1,955 97	65 79	43,369 56	558 79	322 25	149,327 57
Interest on back water rents	30 42	134 90	147 99	400 79	734 79	560 17	452 20	210 89	159 19	57 66	86 35	48 88	3,024 23
Plumbing bills	3,046 03	1,791 28	2,554 13	3,109 87	2,164 46	1,900 15	3,913 40	9,565 24	4,738 09	3,960 16	4,637 00	10,541 04	51,920 85
Lake Roland	63 27	56 40	255 09	56 48	126 65	78 92	69 88	57 22	105 23	98 61	78 88	522 30	1,568 93
Loch Raven	46 35	3 00	8 00	6 40	7 00	12 00	26 00	19 00	208 62	19 00	26 00	61 15	442 52
Distributing mains	92 24	150 00	.....	12 25	7 58	.....	8 50	162 50	19 00	36 60	10 30	.....	498 97
Lake Montebello	.....	9 00	19 00	25 00	40 00	103 67	24 00	.....	7 00	35 00	.....	25 00	287 67
Tools and fixtures	.....	.....	145 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	145 00
Lake Clifton	.....	.....	.....	.....	.....	.....	219 25	16 88	35 95	.....	.....	.....	272 08
Guilford Reservoir	.....	.....	.....	.....	.....	.....	.....	.....	17 00	10 00	.....	10 00	37 00
Force main	.....	.....	.....	.....	.....	.....	.....	.....	.....	73 22	.....	.....	73 22
Druid Lake	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	12 60	.....	12 60
	$122,156 43	$242,158 79	$41,302 09	$66,853 76	$43,561 34	$29,259 58	$58,529 33	$22,312 19	$14,781 09	$54,722 39	$14,949 59	$31,333 53	$741,920 11

Appropriations made by Mayor and City Council:	
For laying ten inch main on Boston street	4,000 00
For laying ten inch main to and along Ostend from Eutaw to Ridgely streets	3,500 00
For drinking fountains in various localities	675 00
For drinking fountain Russell and West streets	75 00
For drinking fountain Hoffman and Aisquith streets	75 00
For drinking fountain Concord and Eager streets	75 00
For drinking fountain Buren and Monument streets	75 00
For removal of drinking fountain Harford avenue and Neighbor street, and erecting same at southeast corner Greenmount avenue and Eager street	50 00
For drinking fountains Lancaster street west of Chesapeake street and northwest corner Fairmount avenue and Dallas street	150 00
For drinking fountain northwest corner North and Harford avenues	75 00
Received water tax	54,331 15
Received of 1926 Water Stock	200,000 00
Total gross receipts for the year 1891	$1,005,001 26

STATEMENT F.

Disbursements of the Water Department for the Year 1891.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Totals.
Suction main												$167 76	$167 76
Eastern pumping station	$2,131 78	$7,275 58	$478 16	$1,597 91	$1,643 51	$ 4,650 63	$1,255 10	$3,172 83	$5,499 24	$2,280 40	$2,448 02	529 86	32,963 02
Force main	355 81	4 95	78 69	1,867 83	4,313 12	20,283 39	30,361 94	14,899 28	4,670 38	22,831 64	3,016 91	3,098 98	105,782 92
Guilford reservoir	1,637 44	370 85	901 31	291 94	1,883 64	1,716 05	1,489 10	953 98	1,587 46	3,229 05	6,312 97	2,542 34	22,916 13
	$4,125 03	$7,651 38	$1,458 16	$3,757 68	$7,840 27	$26,650 07	$33,106 14	$19,026 09	$11,757 08	$28,341 09	$11,777 90	$6,338 94	$161,829 83
Distributing mains	5,131 83	5,551 88	8,330 34	8,934 50	18,620 11	11,583 61	14,007 35	15,576 53	21,755 01	16,233 55	6,806 81	18,226 24	150,757 76
Plumbing Department	2,084 90	1,819 95	1,997 61	3,225 38	4,120 74	3,209 42	3,598 29	3,339 36	3,385 06	2,671 16	2,493 34	5,041 75	36,986 96
Repairs	1,957 72	1,188 57	1,011 83	1,425 37	1,650 80	1,448 69	1,852 16	1,994 53	2,190 76	2,679 80	1,928 64	1,809 62	21,138 49
Fire plugs	834 32	336 15	240 75	138 56	1,057 67	1,197 85	1,035 88	526 53	327 26	301 33	167 04	153 93	6,317 27
H. S. pump house	928 60	1,164 17	938 74	717 99	6,894 11	3,431 93	776 05	863 92	665 14	688 80	885 16	685 09	18,639 70
Current expenses	354 73	396 22	407 96	479 75	439 63	289 50	341 55	436 13	278 14	321 82	422 14	633 34	4,800 91
Tools and fixtures	821 26	422 91	918 57	359 85	502 83	240 94	228 84	268 40	103 04	231 63	719 31	92 96	4,910 54
Lake Montebello	1,050 87	262 17	1,303 86	584 79	767 28	2,484 13	2,489 37	3,128 87	3,333 83	6,661 89	1,576 88	1,196 17	24,840 11
Pumps and fountains	106 48	122 86	112 61	129 70	101 31	366 66	460 65	516 66	239 86	264 08	183 50	96 61	2,700 98
Lake Clifton	232 46	249 16	183 21	146 15	207 19	355 75	378 59	339 06	254 31	294 33	249 26	238 38	3,127 85
Engineer's Department, salaries	691 66	741 66	741 66	741 66	741 66	741 66	741 66	741 66	691 66	691 66	691 66	691 66	8,649 92
Registrar's Department, salaries	2,074 96	2,074 96	2,074 96	2,074 96	1,991 63	1,991 63	1,991 63	1,991 63	1,991 63	1,991 63	1,991 63	1,991 63	24,232 88
Temporary supply	50 00	50 00	50 00	50 00	50 00	50 00	50 00	50 00	50 00	50 00	50 00	50 00	600 00
Stationery and printing	73 47	47 16		296 59	126 19	81 13	16 30	259 83	18 21	101 21		396 00	1,416 09
Loch Raven	138 54	289 56	284 97	574 21	800 82	667 75	642 80	554 80	804 63	826 29	751 10	458 76	6,794 23
Returned money	64 14	109 63	60 47	420 21	366 79	151 20	172 60	74 23	58 56	79 30	107 24	35 70	1,700 07
Lake Roland	171 42	149 60	136 15	152 81	279 49	288 06	292 11	345 25	614 32	666 98	272 67	709 50	4,078 36
Druid Lake	70 91	187 64	56 05	60 00	254 35	197 59	203 37	295 65	220 00	228 58	189 92	55 00	2,019 06
Hampden reservoir	22 51	22 51	28 51	28 51	110 45	120 31	115 51	72 51	105 01	36 01	150 06	52 51	864 41
Mt. Royal reservoir	66 41	69 71	50 21	50 45	133 11	193 96	75 41	67 40	58 91	73 16	75 41	79 52	993 66
High-service reservoir	10 00	13 33	16 64	14 00	14 50	22 75	25 00	30 00	57 50	49 00	30 00	18 04	300 76
Water courses	94 58	94 58	94 58	94 58	94 58	94 58	94 58	94 58	94 58	94 58	94 58	94 58	1,134 96
Jones' falls conduit	10 00	10 00	10 00	10 00	10 00	10 00	10 00	10 00	10 00	10 00	10 00	10 00	120 00
	$21,166 80	$23,025 76	$20,507 84	$24,467 70	$47,175 51	$55,869 17	$62,705 84	$50,603 62	$49,064 50	$63,587 88	$31,624 25	$39,155 93	$488,954 80
Twelve months' interest on $10,300,000.00 water stock													504,630 00
Total disbnrsements for the year													$993,584 80

STATEMENT G.

New Supplies for the Year 1891.

605	houses	@$ 3 00	$1,815 00	
350	"	@ 5 00	1,750 00	
525	"	@ 6 00	3,150 00	
214	"	@ 7 00	1,498 00	
141	"	@ 7 50	1,057 50	
125	"	@ 8 00	1,000 00	
129	"	@ 9 00	1,161 00	
47	"	@ 10 00	470 00	
15	"	@ 11 00	165 00	
28	"	@ 12 00	336 00	
64	"	@ 13 00	832 00	
4	"	@ 14 00	56 00	
2247				$13,290 50
5	warehouses	@ 6 00	$30 00	
2	"	@ 8 00	16 00	
17	"	@ 10 00	170 00	
2271				216 00
				$13,506 50
113	baths	@ $2 00	$226 00	
95	hose	@ 3 00	285 00	
47	horses	@ 1 50	70 50	
39	carriages	@ 1 50	58 50	
28	cows	@ 1 00	28 00	
13	offices	@ 4 00	52 00	
Amounts carried forward			$720 00	$13,506 50

STATEMENT G—Continued.

Amounts brought forward....			$720 00	$13,506 50
10 churches.....@	5	00..	50 00	
16 motors.....@	25	00..	400 00	
2 " .....@	30	00..	60 00	
1 motor.....@	35	00..	35 00	
1 " .....@	45	00..	45 00	
1 " .....@	50	00..	50 00	
1 heater.....@	10	00..	10 00	
12 bars.....@	5	00..	60 00	
1 bar.....@	3	00..	3 00	
2 drugs.....@	3	00..	6 00	
1 laundry.....@	5	00..	5 00	
1 trough.....@	25	00..	25 00	
1 bottling establishment....@	10	00..	10 00	
1 photographer.@	10	00..	10 00	
8 hot-houses....@	2	50..	20 00	
1 gas engine....@	10	00..	10 00	
1 fountain.....@	10	00..	10 00	
1 garden spr'k'r@	5	00..	5 00	
1 special rent...@	100	00..	100 00	
1 " " ...@	5	00..	5 00	
1 " " ...@	11	00..	11 00	
1 " " ...@	20	00..	20 00	
PER H. P.				
1 13-hp. boiler..@	3	00..	39 00	
1 22 " " ..@	3	00..	66 00	
Amounts carried forward.....			$1,775 00	$13,506 50

STATEMENT G—Concluded.

Amounts brought forward....			$1,775 00	$13,506 50
		PER H. P.		
1 10-hp. boiler..	@	3 00..	30 00	
1 11 " " ..	@	3 00..	33 00	
1 8 " " ..	@	3 00..	24 00	
2 16 " " ..	@	3 00..	96 00	
1 30 " " ..	@	3 00..	90 00	
				2,048 00
Producing a yearly revenue of.....				$15,554 50

STATEMENT H.

Abatements Condensed for the Year 1891.

	1888.		1889.		1890.		1891.	
Vacancies	34	$500 50	89	$945 17	385	$3,214 30	296	$1,970 40
Duplicates and torn down	66	594 00	73	623 33	152	1,655 46	188	2,113 61
Hose	1	3 00	4	10 75	41	121 25	149	445 50
Horses	3	4 50	6	9 00	58	86 00	121	180 50
Carriages	1	1 50	2	3 00	28	41 50	56	83 50
Reductions	1	2 00	10	30 00	40	195 50	98	351 00
Specials	2	50 00	7	92 67	28	367 50	61	774 58
Bars	1	5 00	7	26 00	127	371 37	170	682 94
		$1,160 50		$1,739 92		$6,052 88		$6,602 03

Total amount of abatements for the year..... $15,555 33

STATEMENT I.

Comparative Statement of Receipts for the Years 1889, 1890 *and* 1891.

1889.		1890.		1891.	
1889 Water rents	$372,372 22	1890 Water rents	$379,773 71	1891 Water rents	$392,634 04
1888 Water rents	127,714 38	1889 Water rents	119,710 13	1890 Water rents	129,021 69
1887 Water rents	10,233 04	1888 Water rents	8,118 81	1889 Water rents	9,097 50
1886 Water rents	2,792 92	1887 Water rents	2,644 43	1888 Water rents	3,556 24
Meter rents	106,797 86	Meter rents	128,659 34	Meter rents	149,327 57
	$619,910 42		$638,906 42		$683,637 04
Less discount on 1889 water rents	30,698 29	Less discount on 1890 water rents	31,103 31	Less discount on 1891 water rents	32,343 66
	$589,212 13		$607,803 11		$651,293 38
Interest on back water rents	2,900 99	Interest on back water rents	2,601 55	Interest on back water rents	3,024 23
Plumbing bills	25,188 40	Plumbing bills	45,387 53	Plumbing bills	51,920 85
Distributing mains	1,015 17	Lake Roland	1,077 00	Lake Roland	1,568 93
Lake Roland	1,751 95	Loch Raven	173 91	Loch Raven	442 52
Loch Raven	206 30	High-service pump house	8 75	Distributing mains	498 97
Lake Montebello	49 50	Distributing mains	1,098 38	Lake Montebello	287 67
Druid Lake	29 75	Lake Montebello	84 50	Tools and fixtures	145 00
Hampden reservoir	27 65	Jones' falls conduit	22 00	Lake Clifton	272 08
Jones' falls conduit	41 20	Druid Lake	22 20	Druid Lake	12 60
Mount Royal reservoir	10 00	Hampden reservoir	40 28	Appropriations by Mayor and City Council	8,750 00
		High-service reservoir	5 00		
		Appropriations by Mayor and City Council	175 00		
	$620,433 04		$658,499 21		$718,216 23
Water tax	51,587 57	Water tax	52,057 40	Water tax	54,331 15
	$672,020 61		$710,556 61		$772,547 38
Water stock, 1926	200,000 00	Water stock, 1926	200,000 00	Guilford reservoir	37 00
		Eastern pumping station	7,000 00	Force main	73 22
				Water stock, 1926	200,000 00
	$872,020 61		$917,556 61		$972,657 60

STATEMENT K.

Balances Remaining on the Ledgers of the Water Department December 31st, 1891.

1891 water rents	$135,735 46
1890 " "	4,900 83
1889 " "	2,600 52
Plumbing bills	7,107 54
Meter rents	2,111 07
	$152,455 42

STATEMENT L.

Revenue from 1892 *Ledgers, January* 1*st*, 1892.

23,016	houses	@ $3 00	$69,048 00		
11,335	"	@ 5 00	56,675 00		
13,709	"	@ 6 00	82,254 00		
8,879	"	@ 7 00	62,153 00		
6,714	"	@ 8 00	53,712 00		
3,699	"	@ 9 00	33,291 00		
3,380	"	@ 10 00	33,800 00		
1,495	"	@ 11 00	16,445 00		
4,033	"	@ 12 00	48,396 00		
3,002	"	@ 13 00	39,026 00		
				$494,800	00
79,262					
262	warehouses	@ 6 00	1,572 00		
524	"	@ 8 00	4,192 00		
1,093	"	@ 10 00	10,930 00		
				$16,694	00
81,141					
				$511,494	00
6,150	hose	@ 3 00	$18,450 00		
2,620	horses	@ 1 50	3,930 00		
1,376	carriages	@ 1 50	2,064 00		
452	bars	@ 3 00	1,356 00		
1,443	bars	@ 5 00	7,215 00		
1,979	H. P. boil's	@ 3 00	5,937 00		
202	offices	@ 4 00	808 00		
218	churches	@ 5 00	1,090 00		
				$40,850	00
Specials, embracing rents, motors &c				28,022	25
				$580,366	25
Meters and indicators (estimated)				170,000	00
				$750,366	25

Chief Engineer's Report.

REPORT.

OFFICE OF THE CHIEF ENGINEER—CITY HALL.

BALTIMORE, January 2, 1892.

To the Honorable the President and
Members of the Water Board.

GENTLEMEN:

I herewith beg leave to submit the following report of the Engineer Department for the year ending December 31st, 1891.

There were fitted up by the mechanical departments:

58	2-inch	stop-cocks.		
154	3	"	"	
364	4	"	"	
100	6	"	"	
6	8	"	"	
38	10	"	"	
15	12	"	"	
1	30	"	"	outside screw.
2	36	"	"	hydrostatic.
738				

72	4-inch	fire-plugs.
78	5 "	"
150		

38 round fountains.

and there were repaired :

4	2-inch	stop-cocks.
5	3 "	"
10	4 "	"
2	6 "	"
1	10 "	"
1	12 "	"
23		

There were laid in the following localities additional mains, viz : A 36-inch on North avenue, between the York road and Oak street, and between Pennsylvania avenue and McMechen street, length 9,058 feet. A 30-inch from North avenue and Oak street, thence along Oak to First street to the temporary wooden bridge over Jones' Falls, thence across Jones' Falls, in its bed, to North avenue, to McMechen street, uniting the 36-inch line above described, length 1,387 feet, and a 20-inch to take the place of the 20-inch pipe now under the present North avenue bridge, commencing at North avenue and Oak street, thence along Oak street to First street to the temporary wooden bridge over Jones' Falls, thence across Jones' Falls, in its bed, to North avenue, length 961 feet; the total cost of the 36, 30 and 20 lines was $131,082.49.

The 36 and 30-inch lines were laid as authorized by Ordinance No. 82, approved June 3d, 1886, and are intended to connect the Eastern and Western High Service Supplies, making available the Gunpowder Supply for both High Services.

The 36-inch line was decreased to a 30-inch on North avenue between Oak and McMechen streets, and laid side by side with the 20-inch on the route above described, temporarily or until the completion of the new North avenue bridge, when two lines of 36-inch pipes, the pipes, for which are all delivered on the ground, will be laid across the new bridge, one for the High, the other for the Middle Service Supply.

There has also been laid a 12-inch line from Hudson and Patuxent, along Patuxent to Dillon, to Clinton, to 11th avenue, Canton, length 10,215 feet; cost $15,426.76, or $1.51 per foot.

Twelve-inch lines—On Chestnut Hill avenue, between the York and Old York roads; Carroll avenue, between the York and Old York roads; Gorsuch avenue, between York road and Liberty street; York road, between Gorsuch avenue and Merryman's lane; York road, between 11th and 12th streets; length 2,628 feet; cost $4,892.21, or $1.86 per foot.

A ten-inch—From Chester and Aliceanna, along Aliceanna to Boston, to Harris' Creek; length 2,115 feet; cost $2,800.86, or $1.33 per foot.

A ten-inch—From Eutaw and West, along Eutaw, to Ostend, to Ridgely; length, 1,897 feet; cost $2,681.65, or $1.42 per foot.

A ten-inch — On the York road, between Chestnut Hill and Carroll avenues; length, 840 feet; cost, $953.54, or $1.13 per foot.

Six-inch lines—On Twelth, between St. Paul street and the York road, along old York road from Carroll avenue to Windermere avenue, and thence eastwardly to the end of said avenue, along Old York road, between Wyanoke and Chestnut Hill avenues, and eastwardly on Chestnut Hill avenue. Length, 3,785 feet; cost, $2,922.49, or 77 cents per foot.

There were laid 23,507¾ feet of 1½-inch pipe for plumbing supplies, and 117,098 feet 3-inches of pipe mains for distribution, additional supplies and repairs, as follows:

152	feet		of 1½-inch	pipe.
1,341	feet	4 inches	of 2-inch	"
7,442	feet	3 "	of 3-inch	"
48,593	feet	11 "	of 4-inch	"
22,999	feet	9 "	of 6-inch	"
197	feet	10 "	of 8-inch	"
10,932	feet	8 "	of 10-inch	"
14,224	feet	6 "	of 12-inch	"
11	feet		16-inch	"
961	feet		20-inch	"
1,387	feet		30-inch	"
8,855	feet		36-inch	"
117,098	feet	3 inches, or $22\frac{938}{5280}$ miles.		

The new building supplies in 1891 were 2,271, from which an annual revenue of $15,554.50 will be derived.

There were 593 leaks on main pipes, of sizes from 1½ to 40 inches, and 90 stop-cocks, of sizes from 2 to 30 inches, inspected and repaired.

There were 40 pumps removed and 11 wells filled up.

There were 118 new fire plugs erected, of which 107 were located upon new and 11 upon old sites, viz:

ON NEW SITES.

N. W. corner Calvert and Fifth.
S. E. corner Calvert and Sixth.
S. W. corner Barclay and Sixth.
S. W. corner York road and Sixth.
West side Mount Royal avenue, between King and Reservoir streets.
East side York road, between Fifth and Sixth streets.
S. W. corner York road and Fourth street.
Harford road, opposite the Ready Asylum.
South side Townsend and Broadway, centre of squares.
Reservoir street, between Park and Mount Royal avenues.
South side of Baltimore, between South and Calvert.
Harford road, near Holy Cross Cemetery.
N. W. corner Park and North avenues.
N. W. corner Park and Lennox street.
Harford road and upper gate of Darley Park.
N. E. corner Myrtle avenue and Twelfth street.

North side of Baltimore street, near west side of Holliday.
N. E. corner Monument and Harford avenue.
S. E. corner Howard street and Cowpen alley.
S. E. corner Greene street and Arcade alley.
N. E. corner Lexington and Paca.
Baltimore street and Bradford alley.
N. W. corner Federal and Broadway.
East side Patterson Park avenue, near Baltimore street.
S. E. corner York road and North avenue.
N. E. corner Collington avenue and Hampstead street.
N. W. corner Bond and Federal.
N. W. corner Charles and Lexington.
South side North avenue, near York road.
N. W. corner James and Wooster streets.
N. E. corner O'Donnell and Clinton.
N. W. corner Robinson and Dillon.
N. W. corner Fayette and Collington avenue.
S. E. corner Clinton and First avenue.
N. E. corner Clinton and Fourth avenue.
Riggs avenue, between Carey and Stockton alley.
S. E. corner Boston and O'Donnell streets.
N. E. corner Clinton and Eighth avenue.
N. W. corner Riggs avenue and Woodyear alley.
N. E. corner Lanvale and Carey.
Canton street, between Lancaster and Aliceanna.
Clinton street, south of Eleventh avenue.
North side Boston, near Windsor.
S. W. corner Hudson and Patuxent.
S. E. corner Myrtle avenue and Seventh street.

N. W. corner Concord and Boston streets.
Boston, between Concord and Burke.
Boston and Hudson streets.
Boston and Cannon streets.
Boston, near Harford run.
N. W. corner Howard and Camden.
S. E. corner Caroline and Chew.
N. E. corner North street and North avenue.
N. W. corner North avenue and Calvert.
N. W. corner Eutaw and Stockholm.
N. W. corner Eutaw and Ostend.
N. E. corner St. Paul and North avenue.
S. W. corner Ostend street and China alley.
S. E. corner Russell and Ostend.
Ostend, between Warner and Claret alley.
York road, between North avenue and First street.
N. W. corner North and Maryland avenues.
Gorsuch avenue, between Republic and Liberty streets.
S. E. corner Gorsuch avenue and Tinges lane.
South side North avenue, between John street and Park avenue.
York road and Merryman's lane.
N. E. corner Park and North avenues.
Twelfth street, between York road and Barclay.
N. E. corner Chester and Townsend.
S. E. corner Warner and Wooster.
S. W. corner Old York road and Carroll avenue.
N. E. corner North avenue and Bolton street.
Old York road and Chestnut Hill avenue.
N. E. corner North and Linden avenues.

East side York road, near Carroll avenue.
N. W. corner North avenue and Eutaw Place.
N. E. corner Madison and North avenues.
Carroll avenue, near Falls road, Hampden.
N. E. corner North and Druid Hill avenues.
N. E. corner Wolfe and Federal.
West side Ann, between Federal and Oliver.
East side Clinton, near Sixth avenue.
East side Clinton, near Seventh avenue.
N. E. corner Chester and Orleans.
N. W. corner Potomac and Dillon.
S. W. corner Patterson Park avenue and Orleans.
Near N. W. corner North and Druid Hill avenues.
Bloomingdale road, between North and Rayner aves.
South side North avenue, between Madison avenue and McCulloh street.
S. W. corner Oliver and Durham.
East side Biddle Street bridge.
Chestnut Hill avenue, east of Old York road.
Windermere avenue, east of Old York road.
N. W. corner Oak street and North avenue.
N. E. corner Mount Royal and North avenues.
N. E. corner North and Maryland avenues.
N. W. corner Falls road and Oak street, Hampden.
S. E. corner Falls road and Union avenue, Hampden.
Monument, between Holliday and North.
Madison, between North street and Jones' Falls.
Clinton, between Seventh and Eighth avenues.
Intersection Mount Royal and North avenues.
S. E. corner Mount Royal and North avenues.

N. W. corner North avenue and John street.
Poppleton, between McHenry and Ryan.
Patapsco, between Ostend and Gittings.
N. W. corner North avenue and Charles.

ON OLD SITES.

S. E. corner Exeter and Pratt
N. W. corner Saratoga and Calvert.
N. W. corner Calvert and Bank lane.
N. W. corner Bond and Oliver.
N. E. corner Canton avenue and Broadway.
North side Lombard, between Howard and Eutaw.
N. E. corner Calhoun and Baker.
N. W. corner Mulberry and Howard.
N. E. corner North avenue and Charles.
S. W. corner Columbia avenue and Fremont.
N. W. corner Fayette and Greene.

The total number of fire-plugs in the City is 1,359.

There were 18 new fountains erected, viz:

S. W. corner Fulton avenue and Eagle street.
N. W. corner Ridgely and West.
S. E. corner Eager and Concord.
S. W. corner Buren and Monument.
N. E. corner Hanover and Little Church street.
S. W. corner Ann and Baltimore.
N. E. corner Eastern avenue and Madeira alley.
S. W. corner Orleans and Broadway.
N. W. corner Fairmount avenue and Dallas.

N. E. corner Hoffman and Aisquith.
Forrest street, opposite Orleans street.
N. W. corner Hollins and Schroeder.
N. W. corner Lee and Little Greene.
S. E. corner Clement and Johnson.
N. E. corner Parkin and McHenry.
Canton street, north of Boston.
Wolfe street, between Pratt and Lombard.
Harford and North avenues.

There are in the City 133 public fountains for the use of man and beast, and 23 for mankind only.

The registered consumption of water by meters and indicators was as follows:

	Gallons.
Elevators by indicators	780,404,856
Elevators by meters	11,657,500
Railroads by meters	428,436,532
Miscellaneous by meters	690,022,000
Steamboat companies by meters	44,456,632
Pork packers and butchers by meters	127,549,708
Livery stables by meters	30,993,380
Beer breweries by meters	399,820,960
Whiskey distilleries by meters	62,582,640
Brick yards by meters	6,506,852
Coal oil refineries by meters	5,169,000
Drove yards by meters	10,988,200
Oyster and fruit packers by meters	86,047,000
Hotels by meters	59,450,188
Planing mills by meters	54,150,000
	2,798,235,448

Being an increase of 347,667,820 gallons over the year 1890.

The number and sizes of meters and the number of indicators placed in operation are as follows:

Meters	12	¾ inch.
"	19	1 "
"	5	1½ "
"	22	2 "
"	22	3 "
	80	
Indicators	24	
Total	104	

The number and sizes of meters and the number of indicators in use are:

Meters	332	¾ inch.
"	190	1 "
"	108	1½ "
"	132	2 "
"	201	3 "
"	6	4 "
	969	
Indicators	412	
Total	1,381	

There were 2 meters withdrawn and indicators substituted.

The high-service pumps were worked 11,633½ hours there were 1,662,974,171 gallons of water pumped into the reservoir, an increase of 197,028,730 gallons over the year 1890, and $1997\frac{2060}{2240}$ tons of coal and 15 cords of wood were consumed.

The amount expended in pumping water was $18,637.58, or at the rate of $1\frac{120}{1000}$ cents per 1,000 gallons.

The fountain in the upper part of Druid Lake was in operation 138 hours.

The flow of clear water of the Jones' Falls Supply over Lake Roland dam was less than the previous year, the flow of muddy water was much greater and the rainfall at Lake Roland was greater by $13\frac{8}{10}$ inches than in 1890.

The water in Lake Roland was muddy 47 days, the greatest height of water over the dam was two and a half feet and the lowest below the crest of the dam was 11¼ inches.

In November the water in Lake Roland was lowered two feet to facilitate the removal of deposit in its tributaries.

There was an average of 20 million gallons of water per day passed through the Jones' Falls conduit, and to maintain it, and Hampden reservoir, the receiving reservoir of the conduit, in good condition, no unusual expenditure was made.

A joint leak in one of the 30-inch mains under the north track of the N. C. R. W. was repaired, the only one of any extent occurring on the line since its construction in 1861.

The daily consumption of water from Druid Lake was two million gallons more than the year previous, and 200,000,000 gallons were wasted through the bottom gates during the year to maintain the purity of the lake.

The Water Board now has only the care of the immediate surroundings of this lake, the Park Board having assumed the maintenance of the driveway around it; they have already widened the drive at the upper end and have done a considerable amount of much needed work.

There was pumped into the High Service reservoir a daily average of 5,250,000 of gallons by the steam pumps at the pumping station in Druid Hill Park, and the total increased pumpage was not as great as last year.

The flow of the Gunpowder Supply, both for clear and muddy water, was greatly in excess of 1890; the greatest flow over Loch Raven dam was three feet in height and there were 96 days when the water was too muddy for use.

There is a great deal of deposit of material in Loch Raven, from the many freshets occuring since its construction in 1880, which should be gotten out as soon as possible.

There was a mile of riprapping on the slopes of the lake completed the past year, which very nearly finishes the circuit of the shore line of the lake.

The water was run out of Lake Montebello in March, for the purpose of solidifying the embankments and making some necessary repairs below the water line, and it was filled again the first of April.

There was a daily increase of 2,000,000 gallons of water drawn from Lake Montebello for the City's consumption in excess of last year, and whenever the water in Loch Raven was clear there was the usual amount of water wasted through the bottom gates.

There has been a new barn and out-houses built at Lake Montebello to take the place of the dilapidated old buildings, removed to make room for the extension of roads and the embellishment of the grounds about the lake.

The brick work in the bottom of the drain tunnel, on the north side of lake Montebello, having become much worn by the constant wash of the sand and gravel in the water passing through it, has been replaced with Belgian stone blocks laid in Portland cement.

Of the main tunnel from Loch Raven to Lake Montebello, the one from Lake Montebello to Lake Clifton and the 40-inch mains from the latter lake to the City, I have to report as having needed no repairs.

The tributaries of the Gunpowder and Jones' Falls supplies have been inspected daily without finding any thing detrimental to the healthy condition of the streams from which these supplies are obtained.

Considerable progress was made in the construction of the Guilford Reservoir for the Eastern High Service Supply.

The embankments surrounding the reservoir are completed, portions of the bottom remain to be excavated and the stone lining of the interior is well advanced.

The Eastern High Service Pumping Station at Ann and Oliver streets is finished. A 5,000,000 high duty Worthington duplex pumping engine and a battery of 300 H. P. Zell water tube boilers have been erected.

The 36-inch force main from the Pumping Station to Guilford Reservoir has been completed, as also lateral mains for service supplies have been laid in and about Waverly.

The 5,000,000 pumping engine was put to work September 11th, 1891, and consumers have been supplied with water from the force main by running the pump at the Pumping Station two hours daily.

The connecting of the Eastern and Western High Service Supplies has in part been made by the laying of a 36-inch main on North avenue, from Greenmount avenue to Pennsylvania avenue.

Between Oak and McMechen streets, the 36-inch main was decreased to a 30-inch and laid to the north of North Avenue bridge under the railroads and in the bed of Jones' Falls for temporary service during the construction of the new North Avenue bridge, when the 36-inch main will be continued across the new bridge with 36-inch pipes, which are already delivered on the ground.

All this work has been done, excepting 175 feet of the 30-inch main, west of Oak and First streets, where the right of way is in litigation.

I again refer with pleasure to the efficiency of the officers and employees of this department for the manner in which they have performed their various duties.

Respectfully submitted,

ROBERT K. MARTIN,
Chief Engineer.

From	Amount turned over to Water Registrar.							Amount of Bills Delivered to Water Registrar for work done, etc.					Total.
	Hay.	Old Lumber.	Fodder.	Ice.	Wheat.	Sand and Gravel.	Rent.	Old engine and boiler and use of roller.	Old material.	Lead dross.	For service pipes laid in city.	For mains laid in county.	
Lake Roland	$1,197 48	$7 16	$7 80	$204 74	.....	$151 75	.....	.....	.....	.....	.....	.....	$1,568 93
Lake Clifton	272 08	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	272 08
Loch Raven	91 50	.....	.....	6 40	$196 62	.....	$148 00	.....	.....	.....	.....	.....	442 52
H. Service reservoir	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lake Montebello	277 67	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	277 67
Druid Lake	12 60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	12 60
Hampden reservoir	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Distributing main	.....	.....	.....	.....	.....	.....	.....	$155 00	$164 87	$109 82	.....	.....	429 69
Plumbing	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	$49,086 27	$3,011 53	52,097 80
Tools and fixtures	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
H. Service pump house	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Guilford reservoir	.....	.....	.....	.....	.....	37 00	.....	.....	.....	.....	.....	.....	37 00
Totals	$1,851 33	$7 16	$7 80	$211 14	$196 62	$188 75	$148 00	$155 00	$164 87	$109 82	$49,086 27	$3,011 53	$55,138 29

WORK DONE IN THE MECHANICAL DEPARTMENT, 1891.

58 2-inch stops.
154 3-inch "
364 4-inch "
100 6-inch "
6 8-inch "
38 10-inch "
15 12-inch "
1 30-inch stop, with outside screw.
2 36-inch stops, hydraulic.
4 2-inch stops repaired.
5 3-inch " "
10 4-inch " "
2 6-inch " "
1 10-inch " "
1 12-inch " "
72 4-inch fire plugs.
78 5-inch fire plugs.
38 round fountains.
Placed in position 1 20-inch geared stop.
" " " 1 30-inch " "
" " " 1 30-inch outside screw stop.
" " " 4 36-inch hydraulic stops.
Work done on new pump from Worthington.
Frames for screens for Guilford Reservoir.
Fountain on basins " " "
Indicators placed on 2 20-inch stops.
" " " 2 30-inch stops.
All machine work on bolts, shoe-pieces, plates, &c., used in construction of new stable at Lake Montebello.

11 30-inch pipe clamps, for force main at North avenue and Jones' Falls.

11 20-inch pipe clamps, for force main at North avenue and Jones' Falls.

Total weight of all iron used on same, 3,619 pounds.

Sundry odd jobs done for E. P. Station doors, &c., Mount Royal, Loch Raven, Loke Roland, H. S. P. H., Guilford Reservoir, &c.

178 sets of new shoes put on City stock.

38 sets of shoes replaced.

7 wagons repaired.

All necessary tools for machine, blacksmith and pattern shops, E. P. Station yard, and work for Mullen for force main, saving dressing of picks.

All necessary valve rods and screws for both sizes of fire plugs.

All work on bolts, plates, shoe-pieces, &c., for Montebello stable.

Travelers over machine in machine shop.

INVENTORY, 1891.

Distributing main	$52,082 44
Tools and fixtures	7,340 13
Plumbing department	2,240 72
Plugs	3,222 44
Force main	710 97
Fountains	589 89
	$66,186 59

TABULAR STATEMENT.

Size and Number of Feet of Pipe, Stop Cocks and Branches Laid in the City.

	1¼ Inch.	2 inch.	3 Inch.	4 Inch.	4½ Inch.	6 Inch.	8 Inch.	10 Inch.	12 Inch.	16 Inch.	18 Inch.	20 Inch.	30 Inch.	36 Inch.	40 Inch.	Total of Pipe
No. of feet of pipe laid previous to purchase by Water Company	.....	13,203	95,411	31,876	72,462	60,704	10,040	14,330	12,209	26,168	4,627	8,588	14,203	.....	.....	363,821
Laid by Water Commissioners from July 1, 1855, to December, 1857	.....	1,909	14,720	28,362	.....	5,005	613	448	.....	.....	.....	9,716	.....	.....	.....	60,773
By Water Board, 1858	.....	2,948	24,438	23,742	.....	8,692	144	.....	.....	.....	.....	.....	.....	.....	.....	59,964
" " 1859	.....	638	22,972	40,367	.....	14,503	.....	6,300	108	.....	.....	.....	.....	.....	.....	84,888
" " 1860	.....	.....	20,488	35,106	.....	22,134	.....	7,910	.....	.....	.....	14,889	1,428	.....	.....	101,955
" " 1861	.....	276	8,317	15,432	.....	8,722	.....	5,017	.....	.....	.....	1,080	8,292	.....	.....	47,136
" " 1862	.....	1,140	11,065	6,562	.....	560	.....	.....	.....	490	.....	6,599	51	.....	.....	26,467
" " 1863	.....	2,729	12,223	5,696	.....	3,744	.....	4,560	.....	720	1,170	1,314	.....	.....	.....	32,156
" " 1864	1,784	314	20,899	8,362	.....	6,981	.....	13,476	405	1,962	783	1,395	.....	.....	.....	56,361
" " 1865	7,929	796	16,930	11,729	.....	3,204	.....	.....	.....	.....	.....	.....	.....	.....	.....	40,588
" " 1866	2,903	4,413	15,813	10,864	.....	13,048	.....	.....	.....	.....	.....	.....	.....	.....	.....	47,041
" " 1867	1,145	14,252	17,349	8,808	.....	6,491½	.....	9,372	.....	.....	.....	.....	.....	.....	.....	57,417½
" " 1868	1,642	4,475½	20,466½	14,759½	.....	2,012½	.....	.....	.....	.....	.....	.....	.....	.....	.....	43,356
" " 1869	192	4,765	16,595	9,457½	.....	4,037½	.....	.....	.....	.....	.....	.....	.....	.....	.....	35,047
" " 1870	.....	8,502	11,372	10,886	.....	600	.....	.....	.....	.....	.....	.....	.....	.....	.....	31,360
From January 1 to October 31, 1871	.....	6,895	11,863	13,205	.....	8,452	.....	.....	.....	.....	.....	.....	.....	.....	.....	40,415
From October 31, 1871, to October 31, 1872	78	6,871½	13,660½	12,479	.....	3,425	.....	.....	.....	.....	.....	.....	.....	.....	.....	36,514
From October 31, 1872, to October 31, 1873	.....	4,551	10,677½	8,032½	.....	5,405	.....	2,150	.....	3,400	.....	.....	.....	.....	.....	34,216
From October 31, 1873, to October 31, 1874	36	4,402	8,169	10,525	.....	10,959	5,795	8,537⅛	.....	.....	.....	.....	.....	.....	.....	48,423⅛
From October 31, 1874, to October 31, 1875	.....	3,542	7,544½	8,837½	.....	11,750	.....	4,362½	.....	.....	.....	11,160	8,959½	.....	.....	56,156
From October 31, 1875, to October 31, 1876	.....	1,982½	7,053⅓	15,383	.....	1,050	.....	3,212¼	.....	5,175	.....	202½	7,215½	.....	.....	41,274½
From October 31, 1876, to October 31, 1877	.....	1,289	17,246½	15,571½	.....	7,462½	.....	75	137½	.....	.....	.....	.....	.....	.....	41,782
By Water Board, 1878	175	1,603	7,567	11,579⅓	.....	3,000	.....	4,800	.....	837½	.....	425	3,312¼	.....	.....	33,299⅓
" " 1879	.....	1,603	4,490	10,876	.....	3,160	.....	2,038½	.....	.....	.....	2,975	.....	.....	.....	25,142½
" " 1880	.....	1,882	5,057½	7,777⅜	.....	5,459¼	.....	1,398	.....	.....	.....	.....	1,050	.....	36,640	59,264½
" " 1881	.....	933	9,034⅜	12,290½	.....	6,421¾	1,717	3,169¼	.....	.....	.....	.....	.....	.....	.....	33,566¼
" " 1882	.....	1,058	8,423⅜	14,788	.....	4,522⅜	.....	4,964½	.....	.....	.....	.....	.....	.....	.....	33,756^{10}
" " 1883	.....	1,269⅔	12,259	18,270$^{10}_{12}$	.....	13,295⅜	4,624⅜	5,026	.....	.....	.....	15,817$^{11}_{12}$	2,960$^{5}_{12}$	.....	.....	73,524
" " 1884	.....	947	15,990⅓	25,302	.....	11,100	530⅓	6,665⅓	.....	.....	.....	.....	.....	.....	.....	60,535
" " 1885	27	651⅓	16,464⅝	25,884$^{10}_{12}$	.....	9,520⅜	2,197⅜	4,655⅜	.....	.....	.....	.....	.....	.....	.....	59,401$^{1}_{12}$
" " 1886	140	351	20,815$^{5}_{6}$	27,582$^{5}_{6}$	210	6,624	187⅜	4,196⅜	.....	.....	.....	.....	.....	.....	.....	60,108
" " 1887	189	1,083⅓	16,998$^{5}_{6}$	29,426⅓	.....	11,093⅓	4,703	19,751$^{5}_{6}$	6,114	.....	.....	13,074$^{1}_{3}$	.....	.....	.....	102,433$^{11}_{12}$
" " 1888	19	1,401	21,098	24,303⅓	.....	11,153$^{5}_{6}$	2,212	22,089	14,695	.....	.....	18,194⅜	.....	.....	.....	115,165$^{10}_{12}$
" " 1889	115	454	11,155⅛	30,360$^{5}_{6}$	.....	8,898⅛	.....	8,726⅞	7,292⅛	12	.....	10,342	6,564	17,554	.....	101,474
" " 1890	35	1,025⅜	11,850$^{1}_{12}$	35,286$^{11}_{12}$	.....	12,911$^{10}_{12}$	481⅜	11,051$^{1}_{12}$	6,621⅜	.....	.....	.....	81	1,623	2,474	83,441
" " 1891	152	1,341⅛	7,442¼	48,593$^{11}_{12}$	.....	22,999¾	197⅝	10,932⅜	14,224½	11	.....	961	1,387	8,855	.....	117,098¼
	16,561	105,497¼	573,920$^{7}_{12}$	668,366$^{1}_{2}$	72,672	339,103$^{1}_{12}$	33,443⅛	189,215⅛	61,807$^{1}_{12}$	38,775½	6,580	116,733⅛	55,503$^{11}_{12}$	28,032	39,114	2,345,324

TABULAR STATEMENT—Continued.

	1½ Inch.	2 Inch.	3 Inch.	4 Inch.	4½ Inch.	6 Inch.	8 Inch.	10 Inch.	12 Inch.	16 Inch.	18 Inch.	20 Inch.	28 Inch.	30 Inch.	36 Inch.	40 Inch.	Stops.
Stop-Cocks by Water Company	....	12	61	94	....	55	9	8	8	9	4	8	....	2	....	....	270
Stop-Cocks by Water Commissioner	....	9	8	8	....	2	....	....	....	....	....	2	....	....	....	....	29
By Water Board, 1858	....	17	23	14	....	3	1	....	1	16	....	1	....	....	....	....	76
" " 1859	....	15	30	54	....	16	....	7	....	....	....	....	....	....	....	....	122
" " 1860	....	....	18	55	....	36	....	9	....	....	....	4	....	1	....	....	123
" " 1861	....	7	7	24	....	8	....	3	....	....	....	....	....	5	....	....	54
" " 1862	....	21	19	31	....	19	....	1	....	1	....	4	....	....	....	....	96
" " 1863	....	8	20	28	....	2	....	2	....	....	....	1	....	....	....	....	61
" " 1864	....	12	18	15	....	4	....	5	....	....	....	1	....	....	....	....	55
" " 1865	....	24	13	6	....	2	....	....	....	....	....	....	....	....	....	....	45
" " 1866	....	22	24	20	....	4	....	....	....	....	....	....	....	....	....	....	70
" " 1867	....	46	22	5	....	5	....	3	....	....	....	....	....	....	....	....	81
" " 1868	....	7	24	19	....	3	....	....	....	....	....	....	....	....	....	....	53
" " 1869	....	....	7	18	....	3	....	....	....	....	....	....	....	....	....	....	28
" " 1870	....	....	4	7	....	....	....	....	....	....	....	....	....	....	....	....	11
January 1, to October 31, 1871	....	5	11	25	....	5	....	....	....	....	....	....	....	....	....	....	46
October 31, 1871, to October 31, 1872	....	10	20	23	....	3	....	....	....	....	....	....	....	....	....	....	56
October 31, 1872, to October 31, 1873	....	7	14	25	....	12	....	2	....	2	....	....	....	....	....	....	62
October 31, 1873, to October 31, 1874	....	4	14	52	....	9	6	6	....	....	....	....	....	....	....	....	91
October 31, 1874, to October 31, 1875	....	3	5	31	....	10	....	6	....	1	....	6	....	2	....	....	64
October 31, 1875, to October 31, 1876	....	1	25	66	....	52	2	....	....	1	....	1	....	2	....	....	150
October 31, 1876, to October 31, 1877	....	5	69	50	....	13	....	2	....	....	....	....	....	....	....	....	139
By Water Board, 1878	....	7	29	22	....	2	....	6	....	4	....	2	....	1	....	....	73
" " 1879	....	4	15	37	....	6	....	2	....	....	....	....	....	....	....	....	64
" " 1880	....	3	9	46	....	42	....	12	....	....	....	3	8	2	....	....	125

By Water Board, 1881	....	4	26	41	....	6	2	2	....	....	....	....	....	....	....	....	....	....	....	....	....	81
" 1882	....	5	27	36	....	19	..	5	....	....	....	....	....	....	....	....	....	....	....	....	....	92
" 1883	....	4	50	91	....	67	5	10	....	3	....	4	....	....	1	....	....	....	....	....	....	235
" 1884	....	9	59	119	....	31	1	5	....	....	....	....	....	....	....	....	....	....	....	....	....	224
" 1885	....	6	38	85	....	23	6	6	....	....	....	....	....	....	....	....	....	....	....	....	....	164
" 1886	....	6	68	103	....	21	2	12	....	....	....	....	....	....	....	....	....	....	....	....	....	212
" 1887	....	42	94	201	....	97	8	27	6	....	....	5	....	....	....	....	....	....	....	....	....	480
" 1888	....	41	123	354	....	132	3	34	12	....	....	6	....	....	....	....	....	....	....	....	....	705
" 1889	....	26	103	195	....	58	4	31	33	2	....	15	....	....	2	....	2	....	....	....	....	471
" 1890	....	45	147	290	....	86	3	28	14	....	....	1	....	....	5	....	....	....	....	....	1	620
" 1891	....	33	134	337	....	88	2	32	20	1	....	1	....	....	2	....	4	....	....	....	....	654
	....	470	1378	2627	....	944	54	266	94	40	4	65	8	25	6	1	5982					

TABULAR STATEMENT—Concluded.

	1½ Inch.	2 Inch.	3 Inch.	4 Inch.	4½ Inch.	6 Inch.	8 Inch.	10 Inch.	12 Inch.	16 Inch.	18 Inch.	20 Inch.	30 Inch.	36 Inch.	40 Inch.	Branches.
By Water Board, 1858	....	3	78	98	....	33	2	....	....	1	....	....	....	....	....	215
" " 1859	....	....	53	134	....	75	....	32	2	....	....	....	....	....	....	296
" " 1860	....	....	68	108	....	149	....	29	....	....	....	52	2	....	....	408
" " 1861	....	....	26	50	....	33	....	19	....	....	....	6	34	....	....	168
" " 1862	....	5	25	30	....	4	....	1	....	....	....	16	....	....	....	81
" " 1863	....	3	29	19	....	9	....	7	....	2	1	5	....	....	....	75
" " 1864	3	3	40	21	....	9	1	47	....	5	4	4	....	....	....	137
" " 1865	20	....	47	20	....	15	....	....	....	....	....	....	....	....	....	102
" " 1866	3	....	30	24	....	16	....	....	....	....	....	....	....	....	....	73
" " 1867	1	29	46	26	....	7	....	21	....	....	....	....	....	....	....	130
" " 1868	1	6	38	43	....	12	....	....	....	....	....	....	....	....	....	100
" " 1869	....	5	54	32	....	6	....	2	....	....	....	....	....	....	....	99
" " 1870	....	9	27	39	....	1	....	....	....	....	....	....	....	....	....	76
January 1, to October 31, 1871	....	6	22	29	....	32	....	....	....	....	....	....	....	....	....	89
October 31, 1871, to October 31, 1872	....	3	35	39	....	10	....	....	....	....	....	....	....	....	....	87
October 31, 1872, to October 31, 1873	....	3	26	23	....	14	....	7	....	5	....	....	....	....	....	78
October 31, 1873, to October 31, 1874	....	4	17	53	....	16	22	30	....	1	....	....	....	....	....	143
October 31, 1874, to October 31, 1875	....	5	14	26	....	5	....	13	....	1	....	29	8	....	....	101
October 31, 1875, to October 31, 1876	....	4	21	90	....	12	....	14	....	21	....	....	9	....	....	171
October 31, 1876, to October 31, 1877	....	2	45	45	...	23	1	3	....	....	....	....	....	....	....	119
By Water Board, 1878	....	4	20	36	....	8	....	....	....	9	....	3	4	....	....	84
" " 1879	....	2	14	41	....	6	....	5	....	....	....	....	....	....	....	68
" " 1880	....	....	9	35	....	17	....	11	....	....	....	5	....	....	44	121
" " 1881	....	3	20	54	....	11	5	7	....	....	....	....	....	....	....	100
" " 1882	....	1	24	74	....	45	....	21	....	....	....	2	....	....	....	167

By Water Board, 1883	....	3	30	104	....	86	13	15	....	2	....	54	10	....	....	317
" " 1884	....	3	40	123	....	53	1	14	....	....	....	....	....	....	....	234
" " 1885	....	3	44	98	....	58	7	17	....	....	....	....	1	....	....	228
" " 1886	....	1	52	133	3	54	3	46	....	....	....	....	....	....	....	292
" " 1987	2	5	64	177	3	76	7	74	20	....	....	57	1	....	....	486
" " 1888	2	3	124	253	4	167	14	73	58	....	....	75	2	....	....	775
" " 1889	1	1	54	177	4	46	3	16	11	1	....	53	5	14	....	386
" " 1890	2	2	75	156	8	76	6	74	31	....	....	1	2	2	2	437
" " 1891	2	7	51	237	3	170	4	59	64	....	....	2	2	27	...	628
	37	128	1362	2647	25	1354	89	657	186	48	5	364	80	43	46	7071

Location, Size, Number of Feet, and Cost of Distributing Main, laid from January 1st, 1891, to December 31st, 1891.

Streets in which Pipes are Laid.	Between what Streets.	Size in Inches.	Length in Feet.	Cost.
Winchester	Fremont and Whatcoat	6	1,096⅓	$842 06
		4	12⅓	
Rear W. S. Potomac	Dillon and O'Donnell	4	135⅔	127 57
" S. S. Dillon	Potomac and Curley	4	98⅔	
Federal	Wolfe and Ann	6	75	75 03
Madeira alley	Fayette and Orleans	4	111	84 56
Mary	Whitelock Lane and Retreat	4	313	177 85
Hooper	and Woodberry avenues	4	357⅔	218 66
Falls road	and Third avenue	6	132½	121 34
Rear E. S. Charles	Fifth and Sixth streets	4	49⅓	50 47
Butcher's lane	North of Boundary avenue	2	6	4 51
Rear N. S. Biddle	Patterson Pk. and Collington aves.	4	333	173 96
" S. S. O'Donnell	East avenue and Robinson	4	111	51 42
Light street	South of Pratt	3	28	19 88
Rear W. S. Robinson	O'Donnell and Elliott	4	246⅔	149 70
Collington avenue	Orleans and Fayette	4	135⅔	65 68

Rear N. S. Federal	Ann and Wolfe	4	209⅔	115 59
" S. S. Federal	Ann and Wolfe	4	209⅔	101 06
Robinson	O'Donnell and Dillon	4	61⅔	29 19
Elliott	Clinton and Second	4	481	237 44
Calvert	Fifth and Sixth			
Sixth	Calvert and York road			
York road	Fourth and Sixth	4	106	
Fourth	York road and Barclay	6	3,391	2,783 43
Canton	Hudson and Lancaster	4	370	234 90
Rear N. S. O'Donnell	East avenue and Robinson	2	35	17 72
E. S. Broadway	Townsend and North avenue	4	185	
S. S. Townsend	East of Broadway	4	24	153 82
N. S. Baltimore	North and Calvert	10	60	
		6	24	
		4	12	189 54
Dugans Wharf	Wood and Pratt	4	123	69 36
Harford road	from the Boundary to Darley Pk.	10	1,837½	
		4	70	2,078 64
Harford avenue	Monument and Madison	10	487½	
		4	11	622 31
Myrtle avenue	Eleventh and Thirteenth	6	862	
		4	24⅔	598 80
Howard	Baltimore and Garrett	10	30	
		4	8	109 06
Eutaw	Lombard and King	6	111	111 97

Location, Size, Number of Feet, and Cost of Distributing Main, laid from January 1st, 1891, to December 31st, 1891.

Streets in which Pipes are Laid.	Between what Streets.	Size in Inches	Length in Feet.	Cost.
East avenue	Hudson and Lancaster	4	308⅓	$168 92
East avenue	Elliott and O'Donnell	3	3	20 54
Potomac	" " "	3	3	18 87
Rear N. S. Lanvale	Bond and Bethel	4	123⅓	66 30
N. S. Baltimore	Holliday and North	10	156	
		4	6	302 39
Baltimore	Cannon and Bradford alley	4	604⅓	424 12
Rear E. S. Ann	Federal and Oliver	4	172⅔	91 07
Federal	Broadway and Bond	6	111	
		4	61⅔	176 73
Camden	Charles and Light	3	124	
		12	14	134 82
S. S. West	West of Hanover	4	86⅓	
S. S. West	East of Hanover	3	98⅔	117 70
Howard	York and Barre	10	552	
		6	28	
		4	72	
		1½	3	997 76

Rear W. S. Linden av..	Laurens and Wilson	6	262½	184 46
Federal	Caroline and Bond	6	312½	
		4	222	446 35
Russell	West and Cross	4	61⅔	50 97
Charles	Lexington and Saratoga	10	450	
		4	24⅔	672 19
Cheapside	South of Lombard	6	45	35 79
Mt. Royal avenue	and Hunter alley	3	74	51 30
Rear W. S. Stockton..	Riggs avenue and Winchester	4	407	184 22
Rear W. S. Woodyear.	Riggs avenue and Winchester	4	86⅓	67 72
Rear W. S. Clinton...	Aliceanna and Lancaster	4	172⅔	92 24
Hollins	Parkin and Fremont	4	61⅔	73 15
Alice Anna	Clinton and Bouldin	4	61⅔	30 63
Russell	North of West	4	37	20 97
Rear E. S. Carey	Baker and Gold	3	12⅓	21 30
Chase	East of Valley	4	148	
		3	24	90 37
Lombard	Holliday and South	6	86⅓	128 77
Eager	West of Morton alley	3	37	37 40
Booth	Monroe and Payson	4	357⅔	178 09
Uhlers alley	East of Hanover	6	165¼	140 28
James	Wooster and Stockholm	4	604⅓	357 94
Eutaw	South of Lombard	6	62	52 38

Location, Size, Number of Feet, and Cost of Distributiny Main, laid from January 1st, 1891, to December 31st, 1891.

Streets in which Pipes are Laid.	Between what Streets.	Size in Inches.	Length in Feet.	Cost.
Park avenue	Hoffman and Preston	4	176	
Camel alley	Park avenue and Bolton	6	12	
		3	4	
		2	28	
		1½	35	$323 27
Rear N. S. Federal	Bond and Dallas	4	86⅓	44 98
Ann	Fairmount avenue and Fayette	3	49⅓	24 82
Baltimore	Patterson Pk. av. and Bradford al.	6	172⅔	
		4	4	
Patterson Park avenue	Baltimore and Fairmount avenue.	6	419⅓	
		4	49⅓	
Fairmount avenue	Patterson Park avenue and Collington avenue	6	444	
		4	49⅓	
Collington avenue	Fayette and Fairmount avenue	6	468⅔	
		4	135⅔	
		3	12⅓	
Fayette	Collington avenue and Chester	6	345⅓	
		4	12⅓	1,735 14

Rear S. S. Dillon	East avenue and Robinson	4	160⅓	90 52
" N. S. Hudson	Streeper and Chesapeake	4	111	68 87
" E. S. Stockton al.	Winchester and Riggs avenue	4	715⅓	379 45
Monument	Ensor and Greenmount avenue	4	37	35 19
Rear W. S. Carey	Townsend and Lanvale	3	128	67 61
Exchange alley	Lombard and Second	2	119	55 25
Rear W. S. Woodyear	Riggs avenue and Winchester	4	481	251 29
" W. S. Penna. ave.	N. of Cumberland	2	63	30 29
" N. S. Lancaster	Canton and Robinson	4	357⅔	204 61
Howard	Camden and Barre	10	640	
		8	4	
		6	27	
		4	12	
		3	48	
		1½	6	1,148 84
Pratt	Central avenue and Caroline	4	446	
		1½	11	333 04
Rear W. S. Calhoun	Riggs avenue and Winchester	4	468⅔	230 31
Loudon avenue	Lipps lane and Brunswick	4	37	25 52
Rear N. S. North ave.	York road and Barclay	4	24⅔	21 01
" N. S. Pinkney	Cross and Stockholm	4	259	141 64
Carey	Lanvale and Townsend			
Lanvale	Carey and Calhoun	4	616⅔	
Rear S. S. Townsend	Carey and Stockton alley	3	123⅓	439 43
" N. S. Lanvale	Carey and Stockton alley			

Location, Size, Number of Feet, and Cost of Distributing Main, laid from January 1st, 1891, to December 31st, 1891.

Streets in which Pipes are Laid.	Between what Streets.	Size in Inches.	Length in Feet.	Cost.
Cuba	Cooksie and Hull	4	148	$73 19
Rear S. S. Mosher	Druid Hill avenue and Etting	3	74	
		2	4	38 25
Rear W. S. Francis	Clifton and Fulton avenue	4	86⅓	41 67
Race	Cross and Hamburg	3	74	34 31
Preston	Wolfe and Washington	3	234⅓	118 16
Hudson	and Patuxent, along Patuxent to	12	10,317½	
	Dillon, to Clinton, to 11th ave.	4	74	15,426 76
Rear S. S. Biddle	Forrest and Greenmount avenue	4	111	62 57
Harford avenue	Point lane and Oliver	3	24⅔	11 02
Rear S. S. Mt. Royal av.	Morton alley and Maryland ave.	4	111	60 19
" W. S. Wolfe	Oliver and Federal	4	431⅔	
" N. S. Federal	Wolfe and Ann	4	86⅓	239 54
Caroline	Chew and Madison	3	185	
		4	18	225 79
Hampden avenue	4th avenue and Falls road	4	592	
		1½	3	340 87

Duncan alley	Fayette and Orleans	4	200⅔	99 90
Collington avenue	Fayette and Orleans	4	74	37 34
Broadway	Townsend and North avenue	4	172⅔	93 05
Rear E. S. Carrollton av.	Riggs avenue and Winchester	4	777	441 18
Carrollton avenue	Riggs avenue and Winchester	4	111	
Rear S. S. Federal	Bond and Broadway	4	123⅓	64 98
Binney	Boston and Hudson	4	86⅓	78 35
Rear W. S. Wolfe	Federal and Oliver	4	111	58 84
Francis	Clifton and Fulton avenue	4	394⅔	231 74
Chester	and Aliceanna along Aliceanna	10	2,144½	2,800 86
	to Boston to Harris' Creek	6	4	
		4	74	
Rear W. S. Carey	Mosher and Townsend	4	24⅔	19 45
Rear N. S. Baltimore	Cannon and Burke	4	259	130 06
" S. S. North av.	Dallas and Caroline	4	86⅓	39 61
" N. S. Jefferson	Madeira alley and Collington ave	4	37	17 07
" N. S. Dolphin	Brewer alley and Penna. avenue	3	185	78 36
" S. S. O'Donnell	First and Clinton			
Canton	Second and Third	4	259	129 01
Rear E. S. Patterson		4	24⅔	13 33
Park avenue	Townsend and Lanvale	3	123⅓	39 00
Howard	Franklin and Lexington	6	430	692 09
		3	5	
Hookstown road	North of Liberty road	4	217	118 33
Chester	Lanvale and Townsend	4	333	227 25

Location, Size, Number of Feet, and Cost of Distributing Main, laid from January 1st, 1891, to December 31st, 1891.

Streets in which Pipes are Laid.	Between what Streets.	Size in Inches.	Length in Feet.	Cost.
Rear E. S. Holbrook...	Oliver and Hoffman.....	4	61⅔	$ 37 78
" E. S. Port.....	Baltimore and Fairmount avenue	4	98⅔	60 95
" E. S. Barclay.....	Three and one-half and Fifth sts.	4	518	252 64
Baker alley.....	Cumberland and North avenue...	4	308⅓	150 57
Paca	Mulberry and Saratoga.....	4	197⅓	116 61
Biddle.....	Clifton Place and Barclay	4	222	
		3	37	205 96
Rear W. S. Carey.....	Winchester and Riggs ave... ...	4	493⅓	250 50
Baker	Etting and Druid Hill ave.....	4	111	81 38
Rear E. S. Patuxent...	Hudson and Dillon	4	234⅓	117 84
Slingluff lane.....	North and Myrtle ave.....	10	375	
Myrtle avenue.....	Slingluff lane and 10th st.....	6	1,504⅔	
		4	24⅓	
Twelfth street.....	Myrtle ave. and North ave	6	333	1,783 12
Rear E. S. Charles.....	Barney and Heath.....	4	61⅔	49 24
Brady avenue.....	York road and Frisby ave.....	10	462½	
		6	12⅓	
		3	12⅓	566 19

Rear S. S. Townsend...	Bethel and Broadway.....	4	148	79 26
Gorsuch avenue	East of Old York road	6	325	210 02
Rear W. S. Broadway.	Preston and Gay.....	4	98⅔	43 93
York road	Chestnut Hill and Carroll aves...	10	875	
		4	17	953 54
Chestnut Hill avenue..	York and Old York roads.....			
Carroll avenue	York and Old York roads.....	12	2,685	
Gorsuch avenue.....	Liberty st. and York road.....	10	20	
York road.....	Gorsuch ave. and Merryman's lane	4	75	
		3	85	
York road.....	11th and 12th	6	90	4,892 21
Twelfth street.....	St. Paul and York road			
Along Old York road,	from Carroll avenue to Winde			
mere avenue to east	end of same avenue	6	3,854	
Old York road between	Chestnut Hill ave. and Carroll ave.	4	110	
and Chestnut Hill ave.	eastwardly of Old York road....	3	37	2,922 49
Rear W. S. Bethel.....	Oliver and Federal.....	4	172⅔	86 93
" W. S. Canton....	Hudson and Lancaster	4	370	182 97
Durham	Baltimore and Fairmount ave....	3	98⅔	46 30
Rear E. S. Bradford al.	Baltimore and Fairmount ave....	4	86⅓	46 93
Franklin.....	and Addison alley	3	30	
		4	74	68 80
Mt. Royal avenue.....	Charles and Morton alley.....	8	160⅓	
		4	333	334 52
Rear N. S. Federal....	Bond and Bethel.....	4	271⅓	161 49

Location, Size, Number of Feet, and Cost of Distributing Main, laid from January 1st, 1891, to December 31st, 1891.

Streets in which Pipes are Laid.	Between what Streets.	Size in Inches.	Length in Feet.	Cost.
Grindall	Johnson and Covington	3	86⅓	$ 32 31
Little Walsh	Pitcher and Sewell	2	133	55 36
Rear W. S. First	Toone and Boston	3	259	113 02
Charles	and Fayette	4	61⅔	101 77
St. Paul	Seventh and Eighth	6	86⅓	54 82
Rear E. S. Pulaski	North and Myrtle avenues	6	362⅔	
		4	333	453 11
Rear E. S. First	Second and Third avenues	4	345⅓	209 33
" S. S. Federal	Broadway and Regester	4	123⅓	85 82
Paca	Cowpen alley and German	3	325	139 00
Rear E. S. Second	Elliott and O'Donnell	4	357	170 93
" N. S. First	Barclay and North	4	197⅓	88 93
Charles	Seventh and Ninth	4	764⅔	384 63
St. Paul	Seventh and Ninth	6	438½	265 48
Falls road	Third and Mallon avenue	10	250	
		6	937⅓	
		4	49⅓	1,078 72

Rear N. S. Baker	Etting and Druid Hill avenue	4	382⅓	180 33
" N. S. North ave	Calvert and St. Paul	4	124⅓	97 89
" S. S. North ave	Bolton and Linden avenue	4	84⅓	48 96
Hopkins avenue	Madison and Chase	4	84⅓	51 17
Rear E. S. Hull	Marriott and Nicholson	3	49⅓	21 35
" N. S. Baltimore	Rose and Luzerne	4	653⅔	333 23
Pratt	Central avenue and Little Gough	3	197⅓	
		1½	7	96 82
S. S. Lombard	East of Light, to Ellicott, south of Balderston	10	339	460 73
Rear W. S. Druid Hill av	Whitelock lane and North avenue	6	125	
		4	456⅓	321 89
Poppleton	McHenry and Pratt	6	212½	
		4	24½	211 09
Clinton	Seventh and Eighth	2	105	
Clinton	North of Tenth avenue	2	63	59 77
Fifth	Clairmount avenue and Lombard	4	1,258	
		2	6	606 92
Eighth avenue	Clinton and First	3	172⅔	
		2	42	71 33
Rear W. S. Pulaski	Ramsay and Mary Ann	4	444	223 03
Ann	Federal and Lanvale	4	160⅓	71 72
Rear N. S. Aliceanna	Bouldin and East avenue	4	49⅓	22 06
" E. S. Luzerne	Lancaster and Hudson	4	246⅔	131 61
Hulls lane	Aisquith and Forrest	3	98⅔	64 10

Location, Size, Number of Feet, and Cost of Distributing Main, laid from January 1st, 1891, to December 31st, 1891.

Streets in which Pipes are Laid.	Between what Streets.	Size in Inches.	Length in Feet.	Cost.
Rear N. S. Oliver.....	Wolfe and Washington.....	4	86⅓	$ 45 18
" W. S. Asquith...	Hoffman and Oliver.....	4	456⅓	213 96
Foot of.....	Ann street..	3	160⅓	86 82
W. S Light.....	South of Balderston.....	6	155	
		4	2	164 74
Ostend.....	Charles and Light.....	4	542⅔	
		3	49⅓	345 90
Washington	Pratt and Lombard.....	4	135⅔	86 84
North avenue.....	Tenth and Eleventh.....	12	437½	
		6	75	740 22
Fayette.....	Paca and Diamond alley.....	3	111	
		1½	7	62 36
Clinton.....	South of Eighth avenue.....	2	126	51 78
Rear W. S. Etting.....	North avenue and Baker.....	4	308⅓	166 19
Linden avenue.....	Wilson and Laurens.....	10	355⅓	
Laurens.....	Jordan and Jenkins alley.....	6	537½	906 48

North avenue.....	York road and Pennsylvania ave.	36	8,855	
		30	1,387	
		20	961	
		16	11	
		12	322	
		10	130	
		8	25	
		6	1,551	
		4	334	
		3	155	
		1½	45	31,082 49
			98,767¾	$204,624 09

Engineer and Superintendent's Report,

COUNTY DIVISION.

REPORT.

OFFICE OF THE
ENGINEER AND SUPERINTENDENT COUNTY DIVISION,

LAKE MONTEBELLO, January 1st, 1892.

R. K. MARTIN, Esq.,

Chief Engineer Water Department.

SIR—I herewith respectfully submit my report for the year ending December 31st, 1891.

JONES' FALLS SUPPLY.

The flow of clear water over the dam at Lake Roland for the year just ended was 788,000,000 gallons less than the year preceding, whilst the flow of muddy water was 3,627,000,000 gallons greater.

The rainfall at Lake Roland was 13.08 inches greater the past year than it was in 1890.

The water here was muddy for 47 days during the year. The greatest flow over the dam was in July, when it reached a height of two feet and a half.

For eight days in June, three days in July, four days in August, and seven days in September, the

stream did not flow sufficient to meet the demand, and the lake lowered 11¼ inches.

From November 3d to December 7th the water in the lake was lowered by drawing it off from the bottom of the lake and wasting it below the foot of the dam. The water was lowered to allow the removal of sand deposits from the mouths of inlets to the lake. The balance of the year water flowed over the dam varying in height from ¼ inch to 2½ feet.

Only a small quantity of corn was raised on the land adjacent to Lake Roland, and owned by this department.

The amount received for hay and the amount received for sand sold to N. C. R. W. Co. will be found in the Water Registrar's report.

Harper's waste weir and the five mile brick conduit connecting Lake Roland with Hampden Reservoir continue in the same good condition. An average of 20,000,000 gallons of water per day passed through this conduit during the year.

HAMPDEN RESERVOIR.

This reservoir has done good service during the year, with but little expense to the department except the keeping of the grounds in order. The evergreens and hedge continue to grow finely and add to the beauty of the place.

One of the 30-inch pipe mains connecting this reservoir with Druid Lake commenced leaking at a joint under the N. C. R. W. track; it has been repaired and the line is now in good order.

DRUID LAKE

Has given but little trouble; the water has been lowered five times during the year, from four to six feet each time, to purify it, and every effort has been made to have it clear and good before sending it to the City. About 200,000,000 gallons of water were wasted from the bottom of this lake and emptied into Jones' Falls, which not only improved the water in the lake but flushed this stream running through the City.

The drive around this lake is in good condition; it was formerly in the keeping of this department, but is now in charge of the Park Commissioners.

The daily consumption of water from this lake by the City was 19,306,000 gallons, being an increase of 2,053,000 gallons per day over the previous year.

HIGH SERVICE SUPPLY.

There were 1,662,974,171 gallons of water pumped into the high service reservoir during the year from Druid Lake, this is 197,028,730 gallons in excess of what was pumped the previous year.

The engines pumped each work day during the year, making an average of 5,313,000 gallons per day pumped into the reservoir.

These pumps will be greatly relieved during the coming year by the pump placed at Oliver and Ann streets, that will pump water from the Gunpowder supply to high points.

THE GUNPOWDER SUPPLY.

The flow of water from this supply was also greater than in 1890.

The flow of clear water over the Loch Raven dam was 11,260,000,000 gallons in excess of what it was last year, and the muddy water 6,744,000,000 gallons more than the year previous.

Loch Raven water was muddy 96 days during the year, two days less than last year.

The greatest flow of water during the year was on the 18th of July, when it was three feet deep passing over the crest of the dam.

The same continuous heavy waste of water is being constantly drawn from the bottom of this lake to carry off any deposit there may be near the entrance of the water supplied to the City; the number of gallons thus wasted and emptied into the stream below the foot of the dam has been 50,000,000 gallons per day, the same as last year. This waste is constantly running.

All the buildings, roads, &c., are in good repair.

The sides of the lake have been rip-rapped five feet above the mean water line for over one mile during the

past year, very nearly completing this work, which extends nearly the circumference of the Loch.

The deposits of sand in the bed of the lake, left by the many freshets, will soon have to be removed.

Sufficient corn and oats have been raised on land adjacent to the Loch, and owned by this department, to feed the stock kept at the different stations.

The Seven mile tunnel connecting Loch Raven with Lake Montebello continues in thorough order, and has again been attended with no expense during the year.

LAKE MONTEBELLO.

From March 2d to March 12th this lake had no water in it for the first time since it was filled; it was emptied to give the banks an opportunity to settle. The water during this time went directly from Loch Raven through the gate house to Lake Clifton.

On April 7th, Lake Montebello was full of water again, when all the water going to Lake Clifton passed through this lake; since that time Lake Montebello has been full of good clear water. The heavy waste continues from this lake whenever the water is clear in Loch Raven.

There was an average of 25,646,250 gallons of water each day of the year passed through this lake for City use, 1,921,250 gallons more per day than last year.

A new barn, corn house, office and outbuildings have been erected here to replace the old buildings, the sites of which will be graded over and put in grass to beautify the general appearance of the adjacent grounds of the lake.

THE DRAIN TUNNEL,

Over half a mile in length, carries the waters of Tiffany's Run around Lake Montebello and empty into Herring Run below the lake.

This tunnel has been repaved with stone to replace the brick paving, which had very nearly worn through by the constant wash of sand and gravel.

The one-mile tunnel connecting Lake Montebello with Lake Clifton is in first-class working order, and it too has been attended with no expense during the year.

LAKE CLIFTON

Was emptied of water in November to give the banks a chance to settle, it is now full of good clear water, from which the City is drawing its daily Gunpowder water supply.

The pump, Oliver and Ann streets, draws water direct from this lake to supply the Eastern High Service.

MT. ROYAL RESERVOIR

Continues to draw its supply from the Gunpowder.

All is in first-class order here; about the only expense it has been to the department is the keepers salary.

The average daily amount of water sent to the City during the year from both supplies has been 44,952,194 gallons, an excess of 3,973,965 gallons per day over the previous year.

I can again speak of the satisfactory manner in which the officers and men of this division have performed their various duties.

Respectfully submitted,

WM. L. KENLY,

Engineer and Superintendent County Division.

STATEMENTS.

Engineer and Superintendent's Report,

COUNTY DIVISION.

BALTIMORE CITY WATER WORKS.

TABLE OF RAINFALL IN INCHES.

1891.	*Jones' Falls Supply*			*Gunpowder Supply.*		
	Lake Roland.	Hampden Reservoir.	Druid Lake.	Mt. Royal Reservoir.	Loch Raven.	Lake Montebello.
January....	5.60	5.65	5.24	5.22	5.75	5 49
February...	5.54	5.89	5.54	5.47	5.58	5.32
March.....	7.40	7.81	7.79	7.75	7.34	7.62
April.....	2.30	2.87	2.73	2.40	2.67	2.50
May.....	4.25	3.62	4.62	4.00	3.55	3.26
June	5.65	6.09	6.02	5.95	4.70	6.90
July	9.78	8.90	9.12	8.53	8.04	8.35
August.....	4.95	5.41	5.36	4.36	5.00	4.51
September..	4.75	6.02	6.27	5.15	4.88	5.82
October.....	2.95	3.09	3.05	3 30	3.41	3.42
November ..	1.26	1.26	1.50	1.45	1.96	1.50
December...	4.82	3.15	3.24	3.25	4.09	3.08
Total.	59.25	59.76	60.48	56.83	56.97	57.77

Respectfully submitted,

WM. L. KENLY,

Engineer and Superintendent County Division.

Jones' Falls Supply for the Year Ending December 31st, 1891.

MONTH.	NUMBER OF GALLONS.							
	Clear Water over Lake Roland Dam.	Muddy Water over Lake Roland Dam.	Water from Bottom Gates Lake Roland Gate House.	Clear Water sent through Conduit Gates Lake Roland.	Total Flow Jones' Falls Per Month.	Average Flow of Stream Per Day.	Average sent to City Per Day.	Pumped to High-Service Reservoir from Druid Lake.
January	763,000,000	37,000,000	542,000,000	476,000,000	1,818,000,000	58,600,000	16,161,000	105,441,600
February	522,000,000	608,000,000	404,000,000	550,000,000	2,084,000,000	74,400,000	16,000,000	78,035,900
March	674,000,000	703,000,000	574,000,000	530,000,000	2,481,000,000	80,000,000	16,500,000	112,543,950
April	247,000,000	562,000,000	555,000,000	515,000,000	1,879,000,000	62,600,000	17,600,000	137,290,200
May	165,000,000	128,000,000	611,000,000	761,000,000	1,665,000,000	57,000,000	18,400,000	151,585,700
June		967,000,000	558,000,000	530,000,000	2,055,000,000	68,500,000	19,023,333	164,716,121
July		1,141,000,000	747,000,000	625,000,000	2,513,000,000	81,000,000	19,000,000	167,670,450
August	92,000,000	327,000,000	320,000,000	650,000,000	1,389,000,000	45,000,000	20,387,100	161,705,950
September	96,000,000	300,000,000	278,000,000	742,000,000	1,416,000,000	47,200,000	23,100,000	165,457,650
October	102,000,000	117,000,000		694,000,000	913,000,000	29,500,000	22,500,000	159,813,850
November	10,000,000		200,000,000	660,000,000	870,000,000	29,000,000	22,000,000	126,016,500
December	257,000,000	151,000,000		659,000,000	1,067,000,000	34,400,000	21,000,000	132,696,300
Totals	2,928,000,000	5,041,000,000	4,789,000,000	7,392,000,000	20,150,000,000	55,600,000	19,305,953	1,662,974,171

Gunpowder Water Supply for the Year Ending December 31st, 1891.

MONTH.	NUMBER OF GALLONS.							
	Clear Water over Loch Raven Dam.	Muddy Water over Loch Raven Dam.	Waste Water from Bottom Gates Loch Raven Gate House.	Clear Water Sent to Lake Montebello from Loch Raven.	Total Flow of the Gunpowder Per Month.	Average Flow of Stream Per Day.	Average Sent to City Per Day.	Sent to City from Both Supplies Per Day.
January	6,337,000,000	7,021,000,000	1,748,000,000	1,080,000,000	16,186,000,000	521,000,000	25,355,000	41,516,000
February	6,763,000,000	5,140,000,000	1,579,000,000	792,000,000	14,274,000,000	510,000,000	25,000,000	41,000,000
March	8,718,000,000	7,215,000,000	1,748,000,000	1,167,000,000	18,848,000,000	608,000,000	26,000,000	42,500,000
April	10,500,000,000	3,860,000,000	1,691,000,000	882,000,000	16,933,000,000	564,000,000	25,800,000	43,400,000
May	6,984,000,000	2,878,000,000	1,748,000,000	775,000,000	12,385,000,000	400,000,000	25,600,000	44,000,000
June	3,453,000,000	6,755,000,000	1,691,000,000	783,000,000	12,682,000,000	423,000,000	26,000,000	45,023,333
July	3,144,000,000	14,600,000,000	1,748,000,000	562,000,000	20,054,000,000	647,000,000	25,000,000	44,000,000
August	4,177,000,000	3,996,000,000	1,748,000,000	1,088,000,000	11,009,000,000	355,000,000	26,000,000	46,387,000
September	4,709,000,000	2,518,000,000	1,691,000,000	972,000,000	9,890,000,000	330,000,000	26,500,000	49,600,000
October	3,306,000,000	1,437,000,000	1,748,000,000	1,044,000,000	7,535,000,000	243,000,000	26,000,000	48,500,000
November	3,354,000,000	668,000,000	1,691,000,000	936,000,000	6,649,000,000	222,000,000	25,500,000	47,500,000
December	3,415,000,000	2,358,000,000	1,748,000,000	945,000,000	8,466,000,000	275,000,000	25,000,000	46,000,000
Totals	64,860,000,000	58,446,000,000	20,579,000,000	11,026,000,000	154,911,000,000	425,000,000	25,646,250	44,952,194

WM. J. KELLY.

ANNUAL REPORT

— OF THE —

BOARD OF VISITORS

— OF THE —

JAIL OF BALTIMORE CITY,

— TO THE —

Mayor and City Council of Baltimore,

— FOR THE —

Fiscal Year Ending December 31st, 1891.

REPORT.

BALTIMORE, January 1st, 1892.

To the Honorable the Mayor and
City Council of Baltimore.

GENTLEMEN:

Your Board of Visitors of the Baltimore City Jail herewith present a statement of their management for the year ending December 31st, 1891.

The Warden's report, with exhibits annexed, will show the receipts, disbursements and a detailed statement of prisoners committed, their offences and their disposition.

We expended during the year $54,815.09, leaving $184 91, the balance of our appropriation, in the hands of the Comptroller.

We estimate that $60,000 is required to properly maintain the Institution during 1892, and we ask that you appropriate that amount.

You will find that the sanitary condition of the Jail, under the skillful management of Dr. Thos. S. Latimer, demands our highest commendation.

To the Warden, Mr. Daniel Constantine, and his efficient Deputies, must be awarded full praise for the maintenance of the highest standard of discipline.

The Warden has utilized the prisoners to perform the labor and ordinary repairs during the year.

Respectfully submitted,

FERDINAND C. LATROBE, Mayor,
Ex-Officio Member.

HIRAM G. DUDLEY,
H. F. TURNER,
JOHN RICHARDSON,
AUGUST BERKEMEIER,
FRANK WHALEN,
A. C. N. MATTHEWS,
Board of Visitors.

Report of the Warden.

REPORT.

BALTIMORE, January 1st, 1892.

To the Honorable the Board of Visitors
of the Baltimore City Jail.

GENTLEMEN:

I have the honor to submit herewith my annual report of the operations of the Baltimore City Jail for the year ending December 31st, 1891.

The number of prisoners committed for drunkenness and minor offences, was 7,677; for trial, 2,291; for House of Correction, 228; House of Refuge, 4; Industrial School for Colored Girls, 7; House of Reformation for Colored Boys, 42; making the total committed for the year, 10,249.

The daily average of prisoners for the year was 497, a slight decrease from the previous year.

The earnings of the Jail for the year were $6,220.36, a decrease from the previous year of $7,450.62; of the $6,220.36, $4,554.26 was for prison labor on contract work, the balance, $1,632.10, was for United States Docket and other similar sources.

You will see by the above figures that the decrease in the amount of money turned into the City Treasury this year was in consequence of the small amount received on account of the paying class of prisoners.

Perhaps it would be as well to state that while the City Treasury as well as the prisoners are benefited by contract work, it entails an additional expense on the Institution by the increased number of officers it requires, and a larger expenditure for provision and clothes for the proper care of the contract prisoners. The full complement one hundred male prisoners have been constantly employed during the year, and since November 1st we have added twenty females, which for the future will make the contract number one hundred and twenty.

I would suggest that the term of imprisonment named by the Police Justices in committing peace and minor cases to the Institution is in my judgment erroneous.

I have seen during my experience here industrious, hard working men committed for thirty days, whose only weakness, perhaps, would be that they would become intoxicated occasionally. The committal of such cases for thirty days often cause great hardship to their families, by reason of the loss of employment of their protectors. Three days would be long enough for the first offence of this class of prisoners, six days for the second, if within the month, and for the third

within the same month, six months; and for the class known as bummers, six months in Jail or House of Correction every time they are arrested.

My impression is that if something like the foregoing periods were fixed upon, we would not have the prison crowded every winter, as we have under the present mode of committals.

The bummer class, with a six months imprisonment staring them in the face, would look for other fields to operate in, and those who might be arrested, while undergoing six months hard labor in prison, would have time to reflect and might possibly be redeemed.

The working man who has any consideration for himself or family, seeing this long term of imprisonment before him would hesitate before allowing his appetite for strong drink to overcome him.

I have been led in part to these conclusions by observing the number who find a home in Jail by successive commitments averaging from six to ten months in the year.

They are sent here for thirty days, in a dilapidated condition; when their time expires they are rejuvenated and prepared for another short period of dissipation, and then return again to recuperate.

The appropriation of the Mayor and City Council for the maintenance of the Jail for the fiscal year of 1891 was $55,000.00; of this sum there was expended for officers' salaries, physicians, gardener and baker, including salaries for the month of December, 1890	$29,061 33
Subsistence of prisoners	13,321 07
Subsistence of Warden's family, &c	2,138 89
Fuel and light	4,942 64
Expense account	1,693 80
Clothing for prisoners, &c	1,918 46
Hospital account	496 75
	$54,815 09
Leaving as a balance of appropriation in the hands of the Comptroller	184 91
Total appropriation	$55,000 00
Amount paid the Comptroller, derived from various sources	6,220 36

It is gratifying to be able to state that notwithstanding the increased cost of nearly everything entering into the subsistence of prisoners the past year, the quantity and quality of the provisions equal, if they do not surpass, past years; we have been able to leave a small balance in the hands of the Comptroller.

This has been brought about by the most rigid economy, consistent with the proper care of prisoners.

The prisoners, other than those on contract, have been utilized in various capacities, carpentering, bricklaying, painting, blacksmithing, tinning, machine work, in fact, all kinds of work required to keep such a building in repair, and in providing nearly all kinds of utensils used in the culinary department.

Among the most important of the improvements was the placing of heavy wire screens at the windows on the north end of the building; they have more than saved their cost in glass the past year.

The drying yard connected with the annex was a complete mud-hole for several days after every rain, and the female prisoners were compelled to bring their washed clothes from the laundry through the entire length of the prison, and out in the yard to the rear of the annex, in full view of the male prisoners. This was changed by cutting a door through the rear wall of the laundry, grading and paving the yard, laying drain pipe to carry off the storm water, and fencing it in so that it is now entirely private. The annex has been re-painted.

Double bars of the hardest steel have been placed at each window on the south end of the building.

The grounds along the Madison street wall and the wall dividing the front and back yards have been excavated, and the wall at its lowest place was made over six feet higher, the grounds were terraced and sodded, which adds much to the appearance of that part of the yard.

New heaters were placed in green-houses; all the pipes were re-arranged.

In addition to the above, there was a great deal of work done of various kinds, all by prison labor; the Building Inspector furnishing most of the material.

Dr. Thomas S. Latimer reports the sanitary condition of the prison all that could be expected, and I would again call your attention to two special suggestions he makes, which in view of the experience of the past year make such improvements a necessity.

The first is, that one cell on each tier be fitted up as a hospital, and reserved exclusively for that purpose.

The second is, that one cell be padded for delirious cases.

The Doctor's report shows 6,092 patients treated during the year; of this number four died, viz:

June 14th, William Rahe.
June 15th, Patrick Hurley.
October 20th, Frank E. Baley, infant.
December 8th, William Coppertheis.

The Physician's report, attached herewith, will furnish particulars.

In accordance with the power vested in the Board of Visitors of the Baltimore City Jail, by Act of the Legislature, there was transferred from the City Jail to other institutions 82 prisoners.

I would respectfully suggest to the Honorable Board of Visitors that they have their powers enlarged, so as to include insane sentenced prisoners; we have had some trouble with this class of prisoners the past year.

I beg leave to submit for your consideration the following estimates for the fiscal year now commencing:

Salaries of officers	$27,000 00
Prisoners' subsistence	13,548 00
Private subsistence	2,000 00
Light and fuel	7,500 00
Incidental expenses	2,893 00
Sanitary department	2,870 00
Clothing and dry-goods	3,114 00
Hospital stores	1,075 00
Total	$60,000 00

I beg leave to state that a considerable amount of repairs will be required this year.

Most of the sewers for carrying off the storm water and drainage from the prison will have to be renewed; the brick pavement in the front yard will have to be replaced by a new one; the main building will want painting in its interior and exterior, and an improved method should be adopted for raising and lowering the windows.

I would suggest some supplementary mode of lighting the building inside in case the electric light should go out at anytime from accident or otherwise. I

would also recommend, in view of the suicides which have occured in this Institution from time to time, (by prisoners jumping from the tiers) that a light wire screen be placed on the tiers.

Accompanying this report you have statements:

Exhibit "A," showing monthly average of prisoners.

Exhibit "B," showing the number of prisoners committed for various causes.

Exhibit "C," showing the number of prisoners, and how discharged.

Exhibit "D," showing the rceipts and expenditures for the year.

In conclusion, gentlemen, I take this occasion to thank you for your uniform kindness and encouragement to me in the discharge of my duties the past year.

All of which is respectfully submitted.

DANIEL CONSTANTINE,

Warden.

EXHIBIT A.

Showing the monthly or Daily Average of Prisoners from January 1st, to December 31st, 1891.

1891.

January	583
February	568
March	519
April	501
May	422
June	397
July	437
August	453
September	513
October	498
November	505
December	565
Total	5,961
Average for 1891	497
Daily average for 1890	522
" " 1889	471
" " 1888	452
" " 1887	453
" " 1886	478

EXHIBIT B.

Showing the number of Prisoners Committed for various causes during the year ending December 31st, 1891.

Crimes.	White.			Colored.			Grand Total.
	Men.	Women.	Total.	Men.	Women.	Total.	
Peace and drunkenness	4,585	467	5,052	1,874	751	2,625	7,677
Larceny	511	39	550	439	169	608	1,158
Assault and battery	350	13	363	229	36	265	628
Assault, intent to kill	51	.....	51	77	4	81	132
False pretences	41	2	43	19	4	23	66
Burglaries	53	2	55	54	.....	54	109
Embezzling	23	.....	23	13	.....	13	36
Forgery	9	1	10	2	.....	2	12
Writing and selling policies	22	.....	22	49	.....	49	71
Conspiracy, etc., to defraud at elections	3	.....	3	2	.....	2	5
Violating pension laws	1	.....	1	.....	.....	.....	1
Violating internal revenue laws	2	.....	2	11	3	14	16
Selling liquor on Sundays, &c	8	.....	8	10	2	12	20
Deserting from ship board	24	.....	24	7	.....	7	31
Perjury	5	.....	5	6	.....	6	11
Bigamy	3	.....	3	.....	.....	.....	3
Common thief, &c	2	.....	2	3	.....	3	5

Keeping gaming house	4	.....	4	6	.....	6	10
Witnesses, State and United States	16	3	19	36	6	42	61
Mutiny	2	.....	2	1	.....	1	3
Insubordination	2	.....	2	1	.....	1	3
Receiving stolen goods	8	.....	8	4	3	7	15
Rape and attempt	10	.....	10	13	.....	13	23
Cruel treatment, &c	4	.....	4	2	.....	2	6
Illegitimacy	.....	.....	.....	.....	.....	.....	.....
Passing counterfeit money	6	.....	6	7	1	8	14
Infanticide	.....	.....	.....	.....	4	4	4
Keeping opium joint	2	1	3	.....	.....	.....	3
Smuggling	4	.....	4	.....	.....	.....	4
Bastardy	5	.....	5	.....	.....	.....	5
Selling goods without license	5	.....	5	2	.....	2	7
Murder	6	.....	6	8	.....	8	14
Suspicious characters	4	.....	4	2	.....	2	6
Voting illegally, &c	4	.....	4	3	.....	3	7
Keeping bawdy house	6	9	15	.....	30	30	45
Violating postal laws	4	1	5	2	.....	2	7
Comtempt of court	8	1	9	3	5	8	17
Robbing postoffice	4	.....	4	4	.....	4	8
Arson	.....	.....	.....	.....	2	2	2
Manslaughter	2	.....	2	2	.....	2	4
							10,249

EXHIBIT C.

Showing the number of Prisoners Committed and how Discharged, for the year ending December 31st, 1891.

Total number of prisoners committed			10,249
Sent to Maryland Penitentiary:			
White men	68		
" women	6		
		74	
Colored men	68		
" women	21		
		89	
Sent to Bayview Asylum:			
White men	25		
" women	6		
		31	
Colored men	11		
" women	3		
		14	
Pardoned by Governor of Maryland:			
White men	4		
		4	
Sent to House of Refuge		4	
Sent to Mount Hope Retreat:			
Sent to City Hospital:			
White men	19		
" women	3		
		22	
Colored men	6		
" women	2		
		8	
Amounts carried forward		246	10,249

Amount brought forward.....		246	10,249
Sent to Industrial School for Colored Girls:		7	
Sent to Maryland House of Correction:			
White men.....	104		
" women.....	19		
		123	
Colored men.....	93		
" women.....	12		
		105	
Sent to House of Reformation for Colored Boys.....		42	
Died in Jail:			
White men.....	3		
" women.....	0		
		3	
Colored men.....	2		
" women.....	0		
		2	
Pardoned by the President of U. S.			
White man.....		1	
Discharged by Courts, Magistrates, expiration of sentence, and otherwise.....		9,190	
Remaining in Jail December 31st, 1891.....		530	
			10,249

EXHIBIT D.

DR. *Being a Summary of Receipts and Expendi-*

1891.			
Dec. 31.	To officers' salaries, physicians, gardener and baker	$29,061	33
	To subsistence of prisoners	13,321	07
	To subsistence of Warden's family, &c	2,138	89
	To fuel and light	4,942	64
	To expense account	1,242	15
	To sanitary account	1,693	80
	To clothing for prisoners, &c	1,918	46
	To hospital account	496	75
	To amount paid Comptroller, derived from various sources	6,220	36
		$61,035	45
Appropriation from Mayor and City Council		$55,000	00
Warrants on Comptroller		54,815	09
	To balance of appropriation of 1891 in hands of Comptroller	$184	91

EXHIBIT D.

tures for the year ending December 31st, 1891. Cr

1891.		
Dec. 31.	By United States docket.....	$ 1,632 10
	By labor account	4,554 26
	By Mayor and City Council.....	54,815 09
	By fees, account county.....	34 00
		$61,035 45

PHYSICIAN'S REPORT.

REPORT.

HOSPITAL DEPARTMENT,

BALTIMORE, December 31st, 1891.

To the Board of Visitors Baltimore City Jail.

GENTLEMEN: I have the honor to report that, notwithstanding the apparently excellent sanitary condition of the Baltimore City Jail, the number of sick for the year 1891 greatly exceeds that of the previous year. For this there is no very obvious reason beyond what is found in the general prevalence of disease in our City during the present winter, and the epidemic prevalence of la grippe, which latter, however, has not been more extensive or severe within than without our walls.

I am gratified to state that, notwithstanding the great increase in the number of sick, the absolute number of deaths has been smaller, as will be seen by reference to the accompanying tables. Of these deaths one was an old case of delirium tremens, who died shortly after admission. Another of the same character, admitted at night, died on the following morning before he had been seen by me. The third was an infant of four months, who died in convulsions, and was at no time a proper inmate of this institution.

I beg leave, also, to call attention to the birth, at term, of a negro child, whose mother had puerperal convulsions during labor, but who, nevertheless, made a good recovery. Both mother and child are now doing well.

Of those sent to hospital, I would state they were in all cases the aged, infirm and those suffering from acute diseases, which could not be treated in this institution without serious risk of incurring a more serious penalty than that contemplated by the law under which they were sentenced.

I would once more respectfully invite your attention to the lack of suitable provision for the treatment of the seriously ill or those in violent delirium.

In addition to the deaths from disease, I have to report the death of one man who threw himself from one of the upper tiers, it is thought with suicidal intent, and who received such injuries as were necessarily and almost immediately fatal.

In view of the nature of the cases resulting in death, the great number of sick, the sameness of food and its unsuitability for the seriously ill, together with the poor nursing, dark cells and generally depressing influences of an institution of this kind, I think we have every reason to congratulate ourselves on the low death rate of the past year.

The total number of sick treated during the year was 6,092. Of these 5,090 recovered, 4 died, and the

remainder were improved, sent to hospital or discharged whilst still under treatment.

In conclusion, I beg leave gratefully to acknowledge valuable aid and kindness from all the officers of the institution, and especially from my hospital steward, who has attended to the duties of his office with zeal, and, in view of his small experience, with intelligence and kind consideration for the sick.

Very respectfully,

THOS. S. LATIMER,

Physician Baltimore City Jail.

Annual Report from Hospital Department of Baltimore City Jail.

Alcoholism	1,164	Felon	9
Asthma	44	Fistulæ	11
Amenorrhea	4	Gonorrhœa	109
Abscess	32	Gastritis	8
Athetosis	7	General Debility	8
Aneurism	3	Gleet	6
Bronchitis	694	Gout	4
Burn	18	Herpes Zoster	13
Bubo	33	Hernia	18
Bright's Disease	12	Heart Disease	17
Bites	9	Hemorrhoids	62
Boils	7	Headache	48
Colic	180	Heart-burn	27
Constipation	441	Hysterics	2
Catarrh	343	Hydrocele	1
Chancroid	52	Hæmaturia	4
Convulsions	5	Insanity, acute	10
Coryza	32	Influenza, simple	7
Calculii	6	Intermit. Fever	93
Conjunctivitis	14	Liver, functional diseases of	453
Dysentery	18	Lumbago	93
Diarrhœa	166	La Grippe	198
Dropsy	11	Malaria	88
Dysmonorrhœa	14	Metrarrhagia	11
Dyspepsia	64	Mania-a-potu	46
Diphtheria	16	Mastitis	8
Epystixis	2	Measles	1
Epilepsy	34	Morphine Habit	7
Eczema	9	Miscarriage	1
Erysipelas	4	Nervous Debility	14
Enuresis	3	Neuralgia	188
Earache	5	Otheroma	1
Fractures	13	Orchitis	4
Frost-bite	3		

Report of Cases Treated, &c.—Concluded.

Pharyngitis	190	Strictures	8
Pleurodynia	96	Scabbies	4
Pediculi Pubis	30	Sore Gum	3
Pertussis	7	Sarcoma	32
Phthisis Pulmonalis	56	Scrofula	18
Pleuritis	1	Suppression of Urine	7
Phlebetis	1	Torticolis	9
Phymosis	3	Ulcers	66
Paralysis	1	Urticaria	49
Rheumatism, chronic	189	Vertigo	9
Rheumatism, acute and Inflammatory	23	Varicose Vein	7
Retention of Urine	4	" Ulcer	1
Sprains	65	Varicocele	1
Scorbutus	3	Wounds—incised, contused, lacerated, gunshot	98
Scrubbing, girl's knee	2		
Sciatica	9		
Syphilis	87	Total	6,092

DEATHS.

June 14th.— William Rahe, white, of delirium tremens; sick thirty-six hours.

June 15th.—Patrick Hurley, white, of delirium tremens; sick twelve hours.

October 20th.—Frank Edward Bayley, of convulsions; sick six days; infant, aged four months and twenty days.

December 8th.—Wm. Coppertheis, white, committed suicide; under treatment two days for alcoholism.

SUMMARY.

White males	3,546
White females	494
Colored males	1,368
Colored females	684
Total	6,092

RESULT OF TREATMENT.

Cured	5,090
Relieved	966
Died	4
Under treatment	32
Total	6,092

SENT TO BAYVIEW ASYLUM, ETC.

White males	12
White females	5
Colored males	2
Colored females	1
Total	20

The Eighth Annual Report

— OF THE —

BOARD OF FIRE COMMISSIONERS

— AND THE —

THIRTY-THIRD ANNUAL REPORT

— OF THE —

FIRE DEPARTMENT,

— TO THE —

MAYOR AND CITY COUNCIL OF BALTIMORE,

— FOR THE —

Fiscal Year Ending December 31st, 1891.

Officers of the Fire Department.

FIRE COMMISSIONERS.

J. ALEXANDER PRESTON, *President.*

FERDINAND C. LATROBE, *Ex-officio,*

JOHN F. HUNTER, GEORGE MAY.

SECRETARY AND CLERK.

DAVID H. LUCCHESI.

CHIEF ENGINEER.

JOHN M. HENNICK.

ASSISTANT ENGINEERS.

GEORGE W. ELLENDER, THOS. F. MURPHY.

SUPERINTENDENT OF MACHINERY.

GEORGE J. LINSENMEYER.

SUPERINTENDENT OF CHEMICAL COMPANIES.

WILLIAM M. DUNN.

SUPERINTENDENT OF POLICE AND FIRE ALARM TELEGRAPH.

CHARLES J. McALEESE.

REPORT.

OFFICE OF BOARD OF FIRE COMMISSIONERS—CITY HALL.

BALTIMORE, January 1st, 1892.

To the Honorable the Mayor and
City Council of Baltimore.

The undersigned Commissioners submit their report of the working of the Fire Department of Baltimore City for the year ending December 31st, 1891.

There has been a radical change made in this Department since the last report to your Honorable Body.

By an ordinance passed and approved on the third day of March, 1891, all the members of the Department belonging to the first numbered seven engine companies and numbers one and two hook and ladder companies were made permanent, whilst a permanent member was added to each of the remaining engine companies and two permanent members to the other hook and ladder companies.

This change has added greatly to the efficiency of the Department, and it is the opinion of the Board, verified

by the experience of the benefits conferred by the ordinance of March the third, that all the members of the Department should be made permanent.

In addition to the efficiency of the Department effected by placing permanent men instead of call men in the companies named, this Board has placed in service the fire boat "Cataract" for the protection of the shipping and property fronting on the harbor. It is difficult to estimate the benefit to the City by the organization of the company aboard the fire boat; and although only placed in service early in July, it has saved several times the cost of the boat and equipment already.

This Board also purchased and placed in service in the month of June the Hale Water Tower, which has proved an effective agent for extinguishing fires on the occasions in which it has been used, especially in case of fires breaking out in very lofty buildings.

All the machinery, harness, horses and appliances for putting out fires are of the very highest character, and the Department was never in as efficient condition since its creation as it is at the present time.

The Board would refer to the report of the Chief Engineer for a particular and detailed account of the condition and character of the machinery and apparatus of the Department, which is submitted with this report.

During the last year there were 676 fires and the total amount of damage sustained $650,009.73, of which amount $245,417.40 was caused by the burning of Elevator A at Locust Point on the fourth of last October.

The Board recommends the erection of an engine house on a lot purchased by the City for that purpose, on Second street between Maryland avenue and Oak street, and also an engine house on the lot corner of Fort avenue and Haubert street now owned by the City.

An examination of the detailed account of the size, kind and result of every fire during the last year, contained in the report of the Chief in a tabulated form, will give a fair estimate of the gallantry and efficiency of the active members of this Department.

The Commissioners have the honor to submit for the consideration of your Honorable Body, the report and suggestions of the Superintendent of Police and Fire Alarm Telegraph.

The Commissioners file herewith, as part of this report, Exhibits A, B, C, D, E, F, G, H, I and K.

Exhibit A shows the amount appropriated by the Mayor and City Council of Baltimore for the Department for 1891, and the expenditures for that period.

Exhibit B shows the amount of special appropriations and its disbursements.

Exhibit C shows the general receipts of the Department for 1891.

Exhibit D shows the general expenditures for 1891, and Exhibit E the general statement for 1891.

Exhibit F shows the expenditures of each Company.

Exhibit G shows the amount appropriated for the City Annex, for 1891.

Exhibit H shows the expenditures of the City Annex, to December 31st, 1891, inclusive.

Exhibit I shows the expenditures of each Company in the City Annex.

Exhibit K shows the monthly expenditures in the City Annex.

ESTIMATE FOR 1892.

Salaries	$211,783 39
Apparatus	7,300 00
Apparatus repairs	8,500 00
Accident	1,000 00
Feed	11,000 00
Fuel	2,600 00
Furniture	1,800 00
Harness	1,500 00
Horse shoeing	1,800 00
Hose and suction tubes	9,000 00
Horses	5,000 00
Ground rent	1,404 25
Gas	1,600 00
Oils, paints, &c	2,000 00
Office expenses, including printing report and Messenger's salary	1,200 00
Rent of telephones	691 79
Miscellaneous	1,500 00
Washing	2,000 00
Insurance of members	1,633 50
Sick	900 00
Pension for Firemen	6,000 00
Police and Fire alarm Telegraph	21,875 00
Deficiency for No. 16 Engine Company Fire Boat "Cataract"	8,252 48
Total	$310,340 41

ESTIMATE FOR 1892—CITY ANNEX.

Salaries	$21,700 00
Apparatus	
Apparatus repairs	1,200 00
Accident	100 00
Feed	2,500 00
Fuel	400 00
Furniture	300 00
Harness	300 00
Horse shoeing	350 00
Hose	300 00
Horses	2,000 00
Rents	848 50
Gas	250 00
Oils, paints, &c	400 00
Rent of telephones	120 00
Miscellaneous	250 00
Office expenses	300 00
Washing	175 00
Insurance of members	153 45
Sick	200 00
Police and Fire Alarm Telegraph	1,000 00
Total	$32,846 95

J. ALEXANDER PRESTON,

President.

JOHN F. HUNTER,

GEORGE MAY.

EXHIBITS.

EXHIBIT A.

Appropriation.

Amount appropriated by Honorable Mayor and City Council for the year 1891.....	$281,060 71
Amount drawn from City Comptroller....	281,060 71

EXHIBIT B.

Special Appropriations.

Amount appropriated by Honorable Mayor and City Council for balance due for construction or purchase of a Fire and Patrol Boat.....	$17,425 36
Amount drawn from City Comptroller....	17,425 36
Amount appropriated by Honorable Mayor and City Council for thirty five (35) keyless doors for fire alarm boxes at $50.00.	$1,750 00
Amount drawn from City Comptroller....	1,750 00
Amount appropriated by Honorable Mayor and City Council for twelve (12) fire alarm boxes at various places, viz: 176, 244, 268, 269, 274, 275, 389, 399, 438, 439, 518, 373.....	$2,175 00
Amount drawn from City Comptroller....	2,149 25
Balance undrawn.....	$25 75

EXHIBIT B—Continued.

Amount appropriated by Honorable Mayor and City Council to pay the Gamewell Fire Alarm Telegraph Company for ten (10) alarm "Indicators" at $125.00 each.	$1,250 00
Amount drawn from City Comptroller....	1,250 00
Amount appropriated by Honorable Mayor and City Council to purchase a lot of ground, upon which to erect a fire engine house, in the vicinity of Hull street and Fort avenue.....	$2,400 00
Amount drawn from City Comptroller....	2,178 60
Balance undrawn.....	$221 40
Amount appropriated by Honorable Mayor and City Council for damages to the alarm boxes and machinery of the Police and Fire Alarm Telegraph by storm of September 5th, 1891.....	$575 00
Amount drawn from City Comptroller....	559 00
Balance undrawn.....	$16 00

EXHIBIT C.

General Receipts.

Balance on hand, storeroom stock, December, 1890	$100 00
Amount drawn from City Comptroller for the year 1891	281,060 71
Amount received from sale of manure and old material	143 30
Amount received from Accident Insurance Company for injured members	633 97
Total	$281,937 98

EXHIBIT D.

Showing the amount expended for the year ending December 31, 1891.

Salaries	$200,401 54
Apparatus	8,307 00
Apparatus repairs	5,818 27
Accident	922 42
Feed	10,684 18
Fuel	1,941 17
Furniture	1,405 51
Harness	1,052 04
Horse-shoeing	1,701 03
Hose and suction tubes	6,910 00
Horses	4,945 00
Ground rent	804 25
Gas	1,480 50
Oils, paints, &c	1,839 89
Office expenses, including printing reports and Messenger's salary	795 24
Rent of telephones	666 00
Miscellaneous	1,434 69
Washing	1,579 88
Insurance of members	2,130 00
Pensions	6,149 46
Sick	817 64
Police and Fire-Alarm Telegraph	19,325 00
	$281,110 71
Insurance indemnity paid to members	633 97
	$281,744 68

EXHIBIT E.

General Statement.

Receipts from all sources...		$281,937 98
Expenditures.....	$281,744 68	
Amount paid to City Register	143 30	
	$281,887 98	
Balance, storeroom stock, December, 1891.....	50 00	
		$281,937 98

EXHIBIT F.

Company Expenditures.

No. 1 Engine Company		$11,575 71
" 2 " "		13,186 21
" 3 " "		11,743 94
" 4 " "		11,205 37
" 5 " "		11,248 59
" 6 " "		12,422 14
" 7 " "		14,834 72
" 8 " "		9,377 80
" 9 " "		9,754 80
" 10 " "		10,311 20
" 11 " "		9,517 88
" 12 " "		10,434 19
" 13 " "		9,461 07
" 14 " "		9,103 99
" 15 " "		11,155 58
" 16 " "	(salary)	5,500 00
" 1 Hook and Ladder Company		11,421 19
" 2 " " "		10,851 70
" 3 " " "		9,264 12
" 4 " " "		10,339 74
" 5 " " "		10,034 62
" 6 " " "		9,844 86
" 8 Chemical Company		3,177 52
		$235,766 94
Rent of telephones		666 00
Reserve apparatus		4,938 73
Officers' salaries and expenses		12,645 51
Miscellaneous		823 83
Office expenses		795 24
Pensions		6,149 46
Police and Fire Alarm Telegraph		19,325 00
		$281,110 71

EXHIBIT G.

City Annex Appropriation.

Amount appropriated by Honorable Mayor and City Council for the year 1891.....	$25,354	25
Additional salary, as per Resolution 37, approved April 22d, 1891.....	4,274	06
	$29,628	31
Amount drawn from City Comptroller.....	29,621	13
Balance undrawn.....	$7	18

Special Appropriation.

Amount appropriated by Honorable Mayor and City Council for deficiency of 1890...	$482	62
Amount drawn from City Comptroller.....	482	62

EXHIBIT H.

Showing the amount expended for the Annexed District for the year ending December 31st, 1891.

Salaries	$20,274 06
Apparatus repairs	882 35
Accident	86 53
Feed	2,172 98
Fuel	296 74
Furniture	230 11
Harness	173 65
Horse-shoeing	310 51
Hose	231 25
Horses	1,500 00
Rent	818 50
Gas	173 50
Oils, paints, &c	332 27
Office expenses	300 00
Miscellaneous	244 55
Washing	154 00
Insurance of members	222 00
Sick	166 09
Rent of telephones	58 75
Police and Fire Alarm Telegraph	993 29
	$29,621 13

EXHIBIT I.

Company Expenditures.

No. 1 Engine Company	$3,306 31
" 2 " "	3,507 18
" 3 " "	3,289 23
" 4 " "	4,709 15
" 5 " "	2,943 02
" 6 " "	2,897 11
" 7 " "	3,230 25
" 7 Hook and Ladder	945 09
" 8 " " "	1,005 97
" 9 " " "	936 85
	$26,770 16
Officers, salary and expenses	1,313 73
Rent of telephones	58 75
Reserve apparatus	1 00
Office expenses	300 00
Miscellaneous	184 20
Police and Fire Alarm Telegraph	993 29
	$29,621 13

EXHIBIT K.

Monthly Expenditures.

Jan.	31,	Warrants	1 to	14	$3,494 32
Feb.	28,	"	15 "	29	2,204 42
Mar.	31,	"	30 "	47	1,515 55
Apr.	30,	"	48 "	58	2,094 56
May	31,	"	59 "	71	3,751 91
June	30,	"	72 "	80	2,387 43
July	31,	"	81 "	97	3,520 56
Aug.	31,	"	98 "	107	2,269 35
Sept.	30,	"	108 "	124	2,639 90
Oct.	31,	"	125 "	139	3,456 39
Nov.	30,	"	140 "	145	1,417 27
Dec.	31,	"	146 "	151	1,352 09
					$30,103 75
		Special, deficiency			482 62
					$29,621 13

DR. *Financial Statement of the Fire Department*

1890.				
Dec. 31,	To storeroom balance			$100 00
1891.				
Jan. 31,	City Comp'r, warrants	1 to	55.	40,738 54
Feb. 28,	"	"	56 " 103.	29,695 71
Mar. 31,	"	"	104 " 143.	2,951 98
Apr. 30,	"	"	144 " 193.	23,644 06
May 31,	"	"	194 " 244.	41,260 87
June 30,	"	"	245 " 300.	26,210 21
July 31,	"	"	301 " 353.	25,548 77
Aug. 31,	"	"	354 " 397.	25,497 91
Sept. 30,	"	"	398 " 433.	30,117 54
Oct. 31,	"	"	434 " 483.	34,389 36
Nov. 30,	"	"	484 " 496.	8,955 57
Dec. 31,	"	"	497 " 524.	17,362 40
				$306,472 92
	Old material			143 30
	Insurance indemnity			633 97
				$307,250 19

for twelve months, ending December 31, 1891. CR.

1891.				
Jan. 31,	Total expenditures this month..			$40,738 54
Feb. 28,	"	"	" ..	29,695 71
Mar. 31,	"	"	" ..	2,951 98
Apr. 30,	"	"	" ..	23,644 06
May 31,	"	"	" ..	41,260 87
June 30,	"	"	" ..	26,210 21
July 31,	"	"	" ..	25,548 77
Aug. 31,	"	"	" ..	25,497 91
Sept. 30,	"	"	" ..	30,117 54
Oct. 31,	"	"	" ..	34,389 36
Nov. 30,	"	"	" ..	8,955 57
Dec. 31,	"	"	" ..	17,362 40
				$306,372 92
	Amount paid to City Register...			143 30
	Amount paid insurance indemnity			633 97
	Storeroom account, Dec. 31, 1890.			100 00
				$307,250 19

Summary.

CITY.	APPROPRIATIONS.	EXPENDITURES.	BALANCES.
Fire Department...	$261,735 71	$261,735 71	.....
Special Fire Dep't..	2,400 00	2,178 60	$221 40
Special Fire Boat ..	17,425 36	17,425 36	.....
P. & F. A. Teleg'ph	19,325 00	19,325 00	.....
Special Telegraph ..	5,750 00	5,708 25	41 75
	$306,636 07	$306,372 92	$263 15
ANNEX.			
Fire Department...	28,628 31	28,627 84	47
P. & F. A. Teleg'ph	1,000 00	993 29	6 71
Deficiency for 1890.	482 62	482 62	.....
	$336,747 00	$336,476 67	$270 33
	.....	270 33	
	$336,747 00	$336,747 00	

1890.			
Dec. 31, Balance storeroom account..	$ 100 00		
1891.			
Dec. 31, Paid out for storeroom account.....	2,797 98		
			$2 897 98
1891.			
Dec. 31, Delivered to companies from storeroom.....		$2,847 98	
Balance, storeroom account..		50 00	
			$2,897 98

REPORT

—OF THE—

CHIEF ENGINEER.

REPORT.

BALTIMORE CITY FIRE DEPARTMENT.

OFFICE OF CHIEF ENGINEER—CITY HALL,

BALTIMORE, January 1st, 1892.

To the Honorable Board of Fire Commissioners.

GENTLEMEN:

I have the honor herewith to submit to you the annual report of the Fire Department for the fiscal year ending December the 31st, 1891, which is the thirty-third report of the paid Fire Department of Baltimore City.

On March 3d, 1891, all the members of Engine Companies 1, 2, 3, 4, 5, 6 and 7, with Hook and Ladder Companies 1 and 2, were made permanent, so as to have them on duty at all times. These companies are located near the business section of the City, and as No. 15 Engine Company was organized with all the members permanent, there are now eight engine and two hook and ladder companies with all the members permanent; another permanent member was added to Engine Companies 8, 10, 11 and 13, making six permanent and five call members, and another permanent member

was added to Hook and Ladder Companies 3, 4, 5 and 6 making eight permanent and four call members.

I would recommend that all the members of the Department be made permanent.

Manual Force of the Department.

Chief Engineer, two Assistant Engineers, Superintendent of Machinery and Superintendent of Companies in the Annexed Districts.

Companies.	Permanent Members uniformed.	Call Members not uniformed.
No. 1 Engine Company	11	.....
No. 2 Engine Company	12	.....
No. 3 Engine Company	11	.....
No. 4 Engine Company	12	.....
No. 5 Engine Company	11	.....
No. 6 Engine Company	12	.....
No. 7 Engine Company	11	.....
No. 8 Engine Company	6	5
No. 9 Engine Company	6	5
No. 10 Engine Company	6	5
No. 11 Engine Company	6	5
No. 12 Engine Company	6	5
No. 13 Engine Company	6	5
No. 14 Engine Company	6	5
No. 15 Engine Company	12	.....
No. 16 Engine Company, Fire Boat	12	.....
Total	146	35

Manual Force of the Department—Continued.

Companies.	Permanent Members uniformed.	Call Members not uniformed.
No. 1 Hook and Ladder Company	11	.....
No. 2 Hook and Ladder Company	11	.....
No. 3 Hook and Ladder Company	8	4
No. 4 Hook and Ladder Company	8	4
No. 5 Hook and Ladder Company	8	4
No. 6 Hook and Ladder Company	8	4
No. 1 Chemical Engine Company	3	.....
No. 2 Chemical Engine Company	3	.....
No. 3 Chemical Engine Company	3	.....
No. 4 Chemical Engine Company	4	.....
No. 5 Chemical Engine Company	3	.....
No. 6 Chemical Engine Company	3	.....
No. 7 Chemical Engine Company	3	.....
No. 8 Chemical Engine Company	3	.....
No. 7 Hook and Ladder Company	1	.....
No. 8 Hook and Ladder Company	1	.....
No. 9 Hook and Ladder Company	1	.....
Total	82	16

Total strength of the manual force 284 members, of which 233 are permanent members, uniformed, and 51 are call members, not uniformed. I would recommend that another member be placed in Nos. 7, 8 and 9 Hook and Ladder Companies, as these companies only have one member, the driver, and have to depend on the assistance given by volunteers.

SALARIES OF THE MANUAL FORCE PER ANNUM.

Chief Engineer, $2,000 ; Assistant Engineers, $1,400 ; Superintendent of Machinery, $1,400 ; Captains of Engine and Hook and Ladder Companies and Enginemen of steamers, $1,100 ; Captain of No. 8 Chemical Company, Pilots on Fire Boat and Lieutenants of Companies, and Superintendent of Chemical Companies, $1,000 ; Captains of Chemical Engine Companies, Tillermen, Assistant Enginemen and Drivers, $900; Pipemen, Laddermen and Stokers on Fire Boat, $800 ; all call members $400.

All members of the Department receive their full pay when off duty, injured or sick, and when injured five dollars additional per week from their insurance, and in case of death from injuries received while performing fire duty one thousand dollars is paid to the widow or other representatives.

There are three substitute members to each company ; they are paid when on duty for regular members, are in line of promotion, and are insured in the same manner as the regular members.

I would recommend that the system of having substitute members attached to each company be dispensed with, and in their place that a number of probationary members be appointed, who shall receive a salary, be uniformed, and stationed at the houses of the central companies, and be detailed to all the companies to fill the places of the members when they go off duty, sick, injured, or on leave of absence.

Deaths, Resignations, Dismissals, Appointments, Transfers and Promotions.

Companies.	Deaths.	Resignations.	Dismissals.	Appointments.	Transfers.	Promotions.
No. 1 Engine Company..	1	....	1	1	....	5
No. 2 Engine Company..	....	....	1	2	1	8
No. 3 Engine Company..	....	....	....	....	3	6
No. 4 Engine Company..	....	2	1	2	2	6
No. 5 Engine Company..	....	....	2	2	2	5
No. 6 Engine Company..	1	....	1	2	3	6
No. 7 Engine Company..	....	1	....	1	....	5
No. 8 Engine Company..	....	1	....	1	1	1
No. 9 Engine Company..	1	....	....	1	....	....
No. 10 Engine Company..	....	....	....	1	1	2
No. 11 Engine Company..	....	1	....	1	2	1
No. 12 Engine Company..	1	....	....	....	1	1
No. 13 Engine Company..	....	....	1	1	....	2
No. 14 Engine Company..	....	....	....	....	....	....
No. 15 Engine Company..	....	2	1	3	....	....
No. 16 Engine Company..	....	1	1	11	1	1
No. 1 Hook and LadderCo.	....	....	1	....	1	4
No. 2 Hook and LadderCo.	....	....	1	1	3	4
No. 3 Hook and LadderCo.	....	....	....	....	....	....
No. 4 Hook and LadderCo.	....	....	1	1	....	2
No. 5 Hook and LadderCo	....	2	2	3	1	....
No. 6 Hook and LadderCo.	....	2	1	3	1	....
	4	12	15	37	23	59

Deaths, Resignations, Dismissals, Appointments, Transfers and Promotions.

Companies.	Deaths.	Resignations.	Dismissals.	Appointments.	Transfers.	Promotions.
No. 1 Chemical Engine Co.	....	....	....	....	....	....
No. 2 Chemical Engine Co.	....	....	....	....	....	....
No. 3 Chemical Engine Co.	....	....	1	1	....	....
No. 4 Chemical Engine Co.	....	....	....	1	2	...
No. 5 Chemical Engine Co.	....	....	....	1	2	....
No. 6 Chemical Engine Co.	....	....	....	....	1	....
No. 7 Chemical Engine Co.	....	....	....	....	1	....
No. 8 Chemical Engine Co.	....	....	1	1	2	
No. 7 Hook and LadderCo.	....	....	....	....	....	....
No. 8 Hook and LadderCo.	....	....	....	....	....	....
No. 9 Hook and LadderCo.	....	....	1	1	....	1
	....	....	3	5	8	1

On March 8th Captain Jacob Hayward, of No. 1 Engine Company, and Captain William G. Miller, of No. 5 Engine Company, and on April 1st Pipeman Charles Romosher, Sr., of No. 2 Engine Company, were retired on account of physical disabilities and pensioned. There are now sixteen (16) members on the pension roll, who have become disabled from injuries received in the service, or disease caused by exposure. They each receive four hundred dollars per annum.

Members who have been Retired from all Service and Pensioned.

NAMES.	POSITION.	COMPANY.	DATE OF APPOINTMENT.	DATE WHEN PENSIONED.	CAUSE.
George W. Krager.	Captain.....	No. 8 Engine Co..	April 1, 1868....	Jan. 1, 1883.....	Blind; struck by a stream of water.
Ebenezer Smith...	Fireman....	No. 11 Engine Co.	Dec. 1, 1874.....	Jan. 1, 1883.....	Blind; eyes burned by sulphuric acid.
John Wernsing...	Hostler.....	No. 6 Engine Co..	April 1, 1863....	Jan. 1, 1883.....	Paralysis of left arm.
John Iser.....	Fireman....	No. 12 Engine Co.	Feb. 15, 1875....	April 10, 1884...	Left ankle broke and consumptive.
Lewis Pistel.....	Ladderman..	No. 2 Truck Co...	Dec. 2, 1878.....	Jan. 1, 1885.....	Right hip-bone broken.
William Gordon...	Fireman....	No. 6 Engine Co..	July 7, 1882.....	April 6, 1886....	Cap of right knee broken.
Jacob Hindes.....	Captain.....	No. 2 Engine Co..	April 1, 1868....	October 1, 1886..	Age and general debility.
James Kelly.....	Captain.....	No. 4 Truck Co...	Feb. 1, 1879.....	October 1, 1888..	Both legs broken.
Owen D. Burgess.	Fireman....	No. 8 Engine Co..	March 1, 1871...	Jan. 1, 1890.....	Left hip-bone broken.
Benjamin T. Wirts	Fireman....	No. 12 Engine Co.	Jan. 11, 1865....	Jan. 1, 1890	Paralysis and rheumatism.
Thos. S. Rodenhi..	Fireman....	No. 2 Engine Co..	Feb. 8, 1859.....	May 1, 1890.....	Back injured and failing eyesight.
John Gildea.....	Fireman....	No. 7 Engine Co..	Feb. 8, 1859.....	May 1, 1890.....	Left hip-bone broken, general debility.
James T. Elliott...	Ladderman..	No. 6 Truck Co...	Sep. 11, 1885....	May 1, 1890.....	Hands and arms burned with coal oil.
Jacob Hayward...	Captain	No. 1 Engine Co..	Feb. 8, 1859.....	March 3, 1891...	Age, general debiltty.
William G. Miller.	Captain.....	No. 5 Engine Co..	April 1, 1868....	March 3, 1891...	Age, general debility.
Chas. Romosher, Sr	Pipeman ...	No. 2 Engine Co..	August 5, 1869..	April 1, 1891....	Kidneys affected.

CASUALTIES.

Company.	Position.	Name.	Date.	Box	Time Off Duty.	Nature of Injury.
Engine Co. No. 1.....	Pipeman....	Alfred Oelman....	March 10.....	416	10 days..	Right hip and back bruised.
Engine Co. No. 2.....	Pipeman....	Francis Hines	Dec. 25, 1890..	318	11 days..	Back sprained.
Engine Co. No. 2.....	Hostler	Louis Abel.....	March 23.....	....	41 days..	Right foot mashed by a freight car.
Engine Co. No. 2.....	Pipeman....	William Eckert...	June 6.....	....	8 days..	Left ankle sprained by a horse falling.
Engine Co. No. 2.....	Hostler	James H. Murray.	June 29.....	....	72 days..	Left knee-cap broke, fell from stable loft.
Engine Co. No. 3.....	Pipeman....	August Schlimm..	March 29.....	42	5 days..	Back sprained.
Engine Co. No. 3.....	Pipeman....	R. H. Dougherty..	April 14.....	12	14 days..	Head cut by falling glass.
Engine Co. No. 3.....	Lieutenant..	Thos. B. Campbell.	July 31.....	162	14 days..	Left shoulder bruised.
Engine Co. No. 3.....	Pipeman....	James T. Pearl....	December 3...	134	14 days..	Back part of head burned.
Engine Co. No. 5.....	Pipeman....	A. Schoepplein...	August 30.....	....	18 days..	Left leg cut by horse falling.
Engine Co. No. 7.....	Pipeman....	John J. Houck....	July 10.....	412	5 days..	Right arm bruised.
Engine Co. No. 8.....	Substitute...	John F. Pons	June 17.....	482	20 days..	Both knees cut.
Engine Co. No. 9.....	Pipeman....	William H. Cuddy	June 11.....	....	11 days..	Left ankle sprained.
Engine Co. No. 9.....	Pipeman....	James McDevitt..	July 1.....	....	19 days..	Forefinger on left hand cut.
Engine Co. No. 9.....	Pipeman....	William H. Cuddy	September 26.	145	35 days..	Small bone in right ankle broke.
Engine Co. No. 14.....	Captain.....	William H. Dunn.	March 2.....	452	8 days..	Head cut, thrown off hose carriage.
Engine Co. No. 14.....	Pipeman....	Charles H. Baker.	October 17....	232	37 days..	Right knee sprained coming down pole.
Engine Co. No. 15.....	Pipeman....	Francis Miller ...	January 26....	512	11 days..	Back bruised and head cut.
Engine Co. No. 15.....	Pipeman....	Leon A. Talbot...	March 29.....	42	42 days..	Left ankle sprained.
Engine Co. No. 15.....	Pipeman....	John Keiley.....	April 12.....	24	14 days..	Left leg bruised and cut.
Engine Co. No. 15.....	Pipeman....	Francis Miller....	September 25.	526	62 days..	Right arm broken at elbow.
Engine Co. No. 16.....	Stoker	James Hoey.....	October 30.....	....	15 days..	Right arm scalded.

Engine Co. No. 16.....	Engineman .	Thomas Meushaw.	November 25..	512	35 days..	Third-finger on right hand cut off.
Hook & Ladder No. 1.	Lieutenant..	August Emerick..	February 18...	521	73 days..	Right wrist sprained.
Hook & Ladder No. 1.	Substitute ..	George Gerhardt..	March 29.....	31	22 days..	Left ankle sprained.
Hook & Ladder No. 1.	Substitute ..	G. W. Thompson..	April 5.....	418	13 days..	Left hand cut with glass.
Hook & Ladder No. 1.	Hostler.....	John T. Mulligan.	August 22.....	437	7 days..	Right ankle bruised.
Hook & Ladder No. 2.	Tillerman...	Charles Rolf.....	Dec. 25, 1890..	318	14 days..	Right ankle sprained.
Hook & Ladder No. 3.	Substitute ..	Andrew Geis.....	September 12.	135	21 days..	Right wrist sprained.
Hook & Ladder No. 3.	Ladderman.	John Battee.....	April 4.....	153	82 days..	Left wrist cut by glass.
Hook & Ladder No. 5.	Ladderman.	John Sullivan.....	October 31....	436	21 days.	One rib on left side broken.
Hook & Ladder No. 5.	Ast. Tillerm.	William Quinn...	November 29..	281	9 days..	Right wrist sprained.
Chemical Engine No. 2	Captain.....	James H. Merrick.	May 10.....	391	3 days..	Back sprained.
Chemical Engine No. 3	Fireman....	R. P. McFarland..	February 19...	345	33 days..	Leaders of left hand cut with glass.
Chemical Engine No. 6	Hostler.....	James Clarke.....	May 16.....	394	8 days..	Left hip injured.
Hook & Ladder No. 9.	Hostler.....	William H. Camel.	June 9.....	....	5 days..	Eyes injured with sulphuric acid.

DEATHS OF MEMBERS.

No. 1 Engine Company—Substitute William L. Pease, aged 24 years, died on January the 15th, of consumption of the lungs, after an illness of six months. He had been a member of the Department nearly three years.

No. 6 Engine Company—Hostler John Clark, aged 38 years, died on April 24th, of consumption of the lungs, after an illness of six months. He had been a member of the Department nine years.

No. 9 Engine Company—Call Fireman Charles Fry, aged 38 years, died on June the 18th, of consumption of the lungs, after an illness of one year. He had been a member of the Department fourteen years.

No. 12 Engine Company—Pensioner John Iser, who was formerly a call fireman, died of consumption of the lungs on December the 7th. He has been pensioned since April the 10th, 1884.

FIRE BOAT FOR THE WATER FRONT.

On July 1st, Engine Company No. 16, the Fire Boat, was organized with twelve members as follows : Captain Lieutenant, two Pilots, three Engineers, three Stokers and two Pipemen. Considerable difficulty was experienced in procuring a suitable wharf, centrally located, as objections of some kind were made whenever a place was selected, as it was claimed that all the water front owned by the City was needed for business purposes. A

site was finally obtained at Commercial wharf, which is south of Thames street, and east of Broadway, and a frame building, 18 by 52 feet, and two stories high, built to accommodate the crew ; it is fitted up with sliding poles, and all appliances and furniture similar to other engine houses. The advantage of having the Fire Boat was demonstrated at several fires, notably at the burning of Grain Elevator A, at Locust Point, on September the 5th, and showed that it will render good services at fires that occur on the water or near the water front, which could not be reached by the engines, and lines of hose can be used and effective service rendered at fires 1,200 feet distant from the boat.

THE HALE WATER TOWER.

The Hale Water Tower is an apparatus for fighting fires in high buildings ; it was received and placed in service on June 27th, 1891 ; the pipe and nozzle from which the water is discharged can be elevated to the height of fifty-five (55) feet ; it can be raised by carbonic gas, there being an eighty-five (85) gallon copper tank attached to the frame of the Water Tower to generate the gas in, or by hydraulic pressure from the engines through the hose attached to it, and will be used when fires occur in high buildings, as the solid two-inch or larger stream, the size of which is governed by the number and capacity of the engines that are forcing water into the Tower, is thrown not only directly into, but down upon the body of the fire, and holds itself intact and drowns out the fire, no matter how intense it may be.

The Water Tower is stationed at the Department quarters on Lombard near Howard street, and will be operated as part of the equipment of No. 15 Engine Company, who with No. 8 Chemical Engine Company, are housed in the same building.

I would recommend that two additional members be added to No. 15 Engine Company, one of them to rank as Lieutenant, so as to have a sufficient number of members properly drilled to operate the Water Tower.

PHYSICAL QUALIFICATIONS FOR MEMBERS.

All applicants for positions in the service of the Department have to undergo an examination in regard to their physical condition. Members of engine companies are required to be not less than five feet and five inches in height and 34 inches around the chest, and members of hook and ladder companies are required to be five feet and eight inches in height and 36 inches around the chest.

APPARATUS OF THE DEPARTMENT.

Twenty (20) Steam Fire Engines, 15 engines in regular service and five engines in reserve.

There is one extra first size engine, four first size engines, six second size engines, six third size engines and three fourth size engines.

Sixteen (16) Steam Heaters for engines, 15 heaters in service and one heater in reserve.

Twenty-four (24) Hose Carriages and five Hose Wagons.

Eight (8) Hook and Ladder Trucks, six of them are in active service and two are in reserve.

There are six Hayes Extension Ladder Trucks, and two Bank Ladder Trucks ; one of them has a Bangor Extension Ladder on.

Eight (8) double tank Chemical Engines, one first size, each tank of 100 gallons capacity, three second size, each tank of 85 gallons capacity, and four third size with each tank of 50 gallons capacity.

Five (5) Wagons to carry fuel to the engines when they are working at fires.

Forty-two (42) Chemical Fire Extinguishers, each of five gallons capacity.

Four (4) Chemical Fire Extinguishers, each of fifteen gallons capacity.

Eight (8) Concord Wagons, with large gongs and striking machinery on their fronts ; they are used by the Officers of the Department ; five of them are in service and two in reserve.

One Wrecking Truck to carry broken apparatus on.

Six (6) Life Nets, for people to jump in at fires.

CONDITION OF THE APPARATUS AND NEW APPARATUS REQUIRED.

Engines.—All the Engines are in good serviceable condition, with the exception of No. 3 Engine which requires a new boiler, new set of wheels, and a general overhauling of the machinery. No. 7 is a new engine; it was received on December 12th, 1891.

Hook and Ladder Trucks.—The Hook and Ladder Trucks are all in good condition, (the Hayes Trucks have all been overhauled, painted, and braces put on the extension ladders), with the exception of the Bank Ladder Truck, which is kept in reserve; it is not worth repairing, having been in service since the Department was organized.

I would recommend that a second size Truck with Ladders to extend seventy (70) feet be purchased and the Hayes Truck now in service at No. 4 Hook and Ladder Company be kept as a reserve.

HOSE WAGONS AND HOSE CARRIAGES.

There are five Hose Wagons and twenty-four Hose Carriages in service. Several of the Hose Carriages have been in service eighteen years and require considerable repairing. Some of the Hose Wagons have been in service over two years, and our experience with them have demonstrated that they possess several advantages over the Hose Carriages. The hose can be better cared for, and will last longer when carried loose

in the Hose Wagons, where there is a circulation of air through them, as the bottom of the wagons are made of slats with spaces between them, and there is no rubbing or chaffing of the hose as there is with the Hose Carriages; the hose can be taken out of the wagons quicker, and when required, two lines of hose can be laid out at the same time. As all the wagons have a division in the centre, the hose pipes and tools are handier to get at, and less hose is required to equip a company, as it is seldom that all the hose, fourteen hundred feet, that is carried on the wagon is used, while on the Hose Carriage, the fabric hose being wound up on the spools in a compact mass, is apt to heat and mildew if it is damp, or when there is a spell of damp weather, and the vibration on the Hose Carriages causes the hose to rub and chafe against the spokes of the spool. I would recommend that six new Hose Wagons be purchssed and six of the Hose Carriages be altered to Hose Wagons, so as to have a Hose Wagon in service with each Engine Company.

CHEMICAL ENGINES.

All the Chemical Engines are in good condition.

FUEL WAGONS.

Three of the Fuel Wagons are in good condition. The one that is kept at No. 1 Engine House is not suitable as it is large and heavy, and the floor of the body being so high, makes it hard to load, and unload; it was altered from a box hook and ladder truck. I

would recommend that this wagon be disposed of, and that two new Fuel Wagons be purchased similar to the one at No. 6 Hook and Ladder Company, the new wagons to be placed in service at No. 1 Engine and No. 5 Hook and Ladder Companies.

NEW APPARATUS RECEIVED AND PLACED IN SERVICE.

Three five gallon Fire Extinguishers made by Chas. T. Holloway were placed in service, one at No. 8 Engine Company and two at No. 9 Engine Company.

WORKING THREE HORSES ABREAST.

The Mowry arrangement to work three horses abreast was placed on Nos. 4 and 5 Hayes Extension Ladder Trucks.

NEW STEAM FIRE ENGINE.

One third size, double, vertical, crane neck, piston, Steam Fire Engine, built by the La France Company, with their improved pump. Diameter of the boiler, 30 inches; height of boiler, 60 inches; diameter of pumps, 4¼ inches; diameter of the steam cylinder, 7⅜ inches; length of stroke, 8 inches; capacity of Engine, 600 gallons per minute; weight when ready for service, 7,120 pounds; front running gear, full platform springs; there are two lengths of 4½ inch suction pipes, one of them is eight, and the other, which is always carried attached to receiver of pumps, is sixteen feet; the reserve Engine B, formerly No. 8, was given in exchange; the new Engine was placed in service at No. 7 Engine Company.

WATER TOWER.

A Hale Water Tower with an 1¾, 2 and 2¼ inch nozzles; the discharge pipe can be elevated to the height of fifty-five feet; it can be raised by carbonic gas, there being an eighty-five gallon copper tank on it to generate the gas in, or by hydraulic pressure furnished by the Engines that are forcing into it. There are six connections to the receivers to attach the hose leading from the Engines to, four of 2½ inch diameter, and two of 3 inch diameter.

OFFICERS' WAGONS.

One Concord style of wagon painted red with gong on front.

FIRE BOAT CATARACT.

Hull made of white oak, hackmatack and yellow pine; length over all eighty-six feet, beam twenty feet, depth ten feet, draft eight feet; there are two straightway suction valves each filled with extra large strainer plates, one in each bilge; the hull is covered on outside with heavy galvanized iron. Joiners' work-trunk deck three feet high, twelve feet wide admidship, and fifty-eight feet long, with the pilot house forward, full width of trunk deck, and twelve feet long.

Engine and Machinery.—The propelling engine is vertical compound, steam cylinders 14 and 26 inches by 16 inches stroke; the engine is capable of working continuously, with 160 pounds steam pressure, up to 220 revolutions a minute.

Water Pumps.—There are two sets of vertical duplex double acting pumps, with crank shafts and fly wheels; the water ends are all composition metal; each set has two steam cylinders 16 inches in diameter, and two water cylinders nine inches in diameter, with stroke of ten inches; the pumps are capable of working continuously, with steam pressure at 160 pounds, up to 220 revolutions a minute, against a water pressure of 150 pounds.

Boilers.—There are two of the Cowles water tube boilers, patented January 22d, 1889; each boiler has 32 square feet of grate surface, and 1,200 feet of heating surface.

Propeller.—Four-bladed cast-iron wheel of approved pattern, six by six feet, diameter six by nine feet.

Condenser.—Approved surface condenser with 1,000 square feet of cooling surface.

Discharges from Pumps.—There are eight discharges to attach the hose to, placed at forward part of the boat; the openings are all three inches in diameter, with reducers to make them 2½ inches when required to suit hose of that size.

HOSE REEL.

A Hose Reel with double cylinders; it is placed on the trunk deck and is set on a circular track to revolve; it has on 1,200 feet of hose, 700 feet of fabric and 500 feet of gum.

STAND PIPE.

One Woodhouse Patent Stand Pipe; it is placed on deck at forward part of the boat.

DESCRIPTION OF STEAM FIRE ENGINES.

No. 1 is a first size, vertical, crane neck, piston, double Engine, built by Ives & Brother in 1874, rebuilt by the La France Company, and a nest tube boiler put on in January, 1884.

No. 2 is a first size, vertical, crane neck, piston, double Engine, built by the La France Company in January, 1889.

No. 3 is a first size, vertical, crane neck, piston, double Engine, built by Ives & Brother in 1874, rebuilt by Clapp & Jones in December, 1884.

No. 4 is a first size, vertical, crane neck, piston, double Engine, built by Ives & Brother in 1873, rebuilt by the La France Company in March, 1883, and another new boiler put on by the La France Company in July, 1890.

No. 5 is a third size, horizontal, half crane neck, piston Engine, built by Clapp & Jones in December, 1885.

No. 6 is a second size, vertical, crane neck, piston, double Engine, built by the La France Company in November, 1890.

No. 7 is a third size, vertical, crane neck, piston, double Engine, built by the La France Company in December, 1891.

No. 8 is a third size, vertical, crane neck, piston, double Engine, built by the La France Company, in August, 1888.

No. 9 is a second size, vertical, crane neck, piston, double Engine, built by the La France Company, in August, 1886.

No. 10 is a second size, vertical, crane neck, piston, double Engine, built by Clapp & Jones, in September, 1886.

No. 11 is a second size, vertical, crane neck, piston, double Engine, built by the La France Company, in February, 1889.

No. 12 is a third size, horizontal, straight frame, piston Engine, built by Clapp & Jones, in August, 1885.

No. 13 is a second size, crane neck, rotary Engine, built by the Siboly Company, in August, 1887.

No. 14 is a third size, vertical, crane neck, piston, double Engine, built by Clapp & Jones, in July, 1888.

No. 15 is an extra first size, vertical, crane neck, piston, double Engine, built by Clapp & Jones, in January, 1891.

No. 16 is the Fire Boat.

Reserve Engine A, formerly No. 2, is a third size, horizontal, straight frame, piston, single Engine; it was built by Ives & Brother in 1864, and rebuilt by the La France Company in 1884, and a nest tube boiler put on.

Reserve Engine B, formerly No. 7, is a third size, vertical, straight frame, piston, single Engine; it was built by Reaney & Neafie in 1858, rebuilt by Clapp & Jones, and a drop tube boiler put on in November, 1883.

Reserve Engine C, formerly No. 9, is a third size, horizontal, straight frame, piston, single Engine; it was built by Ives & Brother in 1871.

Reserve Engine D, formerly No. 11, is a fourth size, horizontal, straight frame, piston, single Engine, built by Pool & Hunt in 1867, rebuilt by Ives & Brother, and a new boiler put on in 1875.

Reserve Engine E, formerly No. 13, is a third size, horizontal, straight frame, piston, single Engine, built by Ives & Brother in 1876.

ENGINES.	Cylinders		Pumps.		Boilers.		Gallons per Minute.	Weight as Drawn to Fires.
	Diameter.	Stroke.	Diameter.	Stroke.	Diameter.	Height.		
Engine No. 1	8½	10	4¾	10	38	64	900	9,420
Engine No. 2	8¾	8	5	8	36	60	900	9,400
Engine No. 3	8½	10	5	10	38	66	1000	9,600
Engine No. 4	8½	10	4¾	10	38	64	900	9,400
Engine No. 5	6¼	7	3¾	7	32	60	500	6,700
Engine No. 6	8¼	8	4¾	8	32	60	700	8,500
Engine No. 7	7⅞	8	4¼	8	30	60	600	7,120
Engine No. 8	8⅛	6	4¾	6	30	60	600	7,100
Engine No. 9	7¾	8	4⅜	8	32	60	700	7,480
Engine No. 10	7½	7	4⅝	7	32	60	700	7,180
Engine No. 11	8¾	8	4¾	8	34	60	750	8,400
Engine No. 12	6¼	7	3¾	7	32	60	500	6,825
Engine No. 13	Rotary.				34	600	600	6,700
Engine No. 14	7	7	4⅜	7	32	60	600	6,990
Engine No. 15	9¾	8	5¾	8	38	62	1000	9,460
Engine Co. 16 Fire Boat..	16	10	9	10	Two sets of pumps.			

HORSES.

There is no more important factor in the Fire Department than the horses. As we depend on them to get the apparatus to the fires, and as the service performed by them differ essentially from that required in ordinary business pursuits, they are required to be intelligent, kind in disposition, sound and strong. There is now in service one hundred and twenty (120) horses, and with a few exceptions, they are in good condition, suitable

and able to do the work required of them. During the past year, twenty-seven (27) horses were purchased, six of them were sent to Companies in the annexed districts, and three were used to make up the team for the Water Tower; twenty-two (22) horses that were unfit for the service, from various causes, were given in exchange, and one horse that was used by the Telegraph Department died. The horses are used in the following manner: Fourteen Engine Companies with four horses to each Company, and one Engine Company, No. 2, with five horses, 61; six Hook and Ladder Companies with three horses to each Company, 18; eight Chemical Engine Companies with two horses to each Company, 16; Water Tower team, three horses, 3; three Hook and Ladder Trucks in Annex, four horses, 4; Officers of Fire Department and supply wagon, twelve horses, 12; Telegraph Department, four horses, 4; kept in reserve, two horses, one at quarters and one in annex. I would recommend that four additional horses be purchased, so as to have a larger number of horses in reserve; they can all be kept at the Department quarters, where there are seven box stalls.

HOSE.

One hundred and sixty-four (164) sections, making eight thousand and two hundred (8,200) feet, of new hose, complete with couplings, were received during the past year; seven thousand and two hundred (7,200) feet were two and a half inch fabric hose, of the following brands:

4,000 feet of Eureka Triple-ply Fabric Hose.

1,500 feet of American Jacket Fabric Hose.

1,500 feet of Cable Brand Red Dot Fabric Hose.

200 feet of Unique Brand Treated Fabric Hose.

And one thousand (1,000) feet of Maltese Cross Brand of gum hose, five hundred (500) feet of which was two and a half inch hose, and five hundred (500) feet was three-inch hose, for the Fire Boat.

There is now in service, thirty-five thousand (35,000) feet of reliable hose, twelve thousand four hundred and fifty (12,450) feet of medium quality hose, and five thousand five hundred (5,500) feet of hose that would not stand the required pressure, two hundred (200) pounds, was condemned and taken out of service.

There will be required for the Department during the year 1892, nine thousand (9,000) feet of new hose, seven thousand (7,000) feet of fabric hose, two thousand (2,000) feet of which is needed for No. 4 Engine Company, and one thousand (1,000) feet of gum hose, five hundred (500) feet of 2½ inch hose for No. 12 Engine Company, and five hundred (500) feet of three inch hose for the Fire Boat, Engine Company No. 16.

HOSE.

Company.	New Hose Received.	Reliable Fabric Hose.	Medium Fabric Hose.	Reliable Gum Hose.	Medium Gum Hose.	Condemned Fabric Hose.	Condemned Gum Hose.
	Feet	Feet	Feet	Feet	Feet	Feet	Feet
No. 1 Engine Co...	500	2300	1250	....	400	50	100
No. 2 Engine Co...	650	3500	150	50	200	200	200
No. 3 Engine Co...	500	2050	800	....	....	200	600
No. 4 Engine Co...	....	2200	650	....	....	....	....
No. 5 Engine Co...	500	2100	1000	....	500	200	250
No. 6 Engine Co...	500	2000	700	....	400	....	....
No. 7 Engine Co...	550	2000	400	....	....	350	350
No. 8 Engine Co...	800	1500	1000	....	150	200	50
No. 9 Engine Co...	500	1900	1000	....	300	450	....
No. 10 Engine Co...	500	1800	500	....	400	500	....
No. 11 Engine Co...	500	2400	....	....	550	....	550
No. 12 Engine Co...	500	200	....	2000	300	....	600
No. 13 Engine Co...	500	2600	1150	....	....	200	....
No. 14 Engine Co...	500	2500	300	....	....	500	....
No. 15 Engine Co...	200	2900	....	....	....	....	....
No. 16 Engine Co...	1000	500	350	500	....	....	....
	8200	32450	9250	2550	3200	2800	2700

LEADING HOSE FURNISHED TO THE CHEMICAL ENGINE COMPANIES.

Chemical Company No. 1, 100 feet of 1-inch four-ply gum hose.

Chemical Company No. 2, 100 feet of 1-inch four-ply gum hose.

Chemical Company No. 3, 75 feet of ¾-inch four-ply gum hose.

Chemical Company No. 4, 100 feet of 1-inch four-ply gum hose.

Chemical Company No. 5, 100 feet of ¾-inch four-ply gum hose.

Chemical Company No. 6, 300 feet of ¾-inch four-ply gum hose.

Chemical Company No. 7,

Chemical Company No. 8, 250 feet of 1-inch four-ply gum hose.

Total, 1,000 feet.

AN ORDINANCE TO PROTECT HOSE WHEN LAID AT FIRES

I would recommend that an ordinance be passed to protect the hose when laid at fires by making it a penalty for any one to drive vehicles of any kind over the hose, as it is frequently injured from this cause by being cut and having the couplings mashed. Especially is this the case at large fires, where long lines of hose are required to be laid. The only ordinance now in existence pertaining to this matter is for maliciously

injuring the property of the Fire Department, and when parties have been arrested for driving over the hose at fires, the cases were dismissed by the magistrate, as no maliciousness could be proven.

FIRES.

During the past year there were six hundred and seventy six (676) fires, which is an increase of eighty-two (82) over the year 1890, for which there were four hundred and sixty-five (465) alarms from street boxes, seventeen (17) second alarms, six (6) third alarms, and two hundred and eleven (211) were still alarms, nearly all of which were attended by the apparatus. The total damage was $650,009.73; of this amount $245,-417.40 was caused by the burning of Grain Elevator A, at Locust Point, on October 4th.

There were five fires where the loss at each exceeded ten thousand dollars as follows. We are indebted to the Secretary of the Salvage Corps for the statement of the losses.

March 29th—Nos. 118 and 120 North Paca street, a three-story brick building, 40 by 154 feet, occupied by the Charles Rohr Packing Company. The building was fitted up to cure and pack meat and lard in, and being saturated with grease, caused the fire to burn fiercely. The building and stock was badly damaged; cause unknown; the entire building was burning when the fire was discovered. The alarm was received from Box 42 at 2 A. M.; second alarm 2.02 A. M.; third alarm 2.03

A. M. ; recall signal. Twelve engines, one chemical engine and four hook and ladder companies were in service. Loss, $21,458,06 ; insurance, $70,300.00.

April 5th—No. 231 North Howard street, a four-story brick building, occupied by John J. Faupel, dealer in pictures and picture frames. The fire which was caused by spontaneous combustion, originated in the cellar, used as the packing room, and contained straw and excelsior, extended up the open elevator shaft to the fourth story, used as the storeroom. The fire was confined to the first and fourth floors. The first alarm was received from Box 418 at 8.57 P. M. ; second alarm 9.26 P. M. ; recall signal, 1.19 A. M., April 6th. Apparatus in service: nine engines, one chemical engine and four hook and ladder trucks. Loss, $12,745.62 ; insurance, $39,250.00.

June 10th—Southwest corner of Eutaw and German streets, a four-story brick building with an annex, 84 feet front on Eutaw street, and extending back in shape of an L 244 feet to German street, occupied by the Concordia Society, and known as the Concordia Opera House. The fire originated on the stage, from some unknown cause, and spread up to the large loft above the ceiling, and burned off the roof. The fire could not be seen until the ceiling fell. Some damage was done to the annex, and the five-story brick building No. 940 West German street, occupied by the Chesapeake Shirt Factory. The first alarm was received from Box 415 at 6.18 P. M. ; second

alarm 6.20 P. M. ; third alarm 6.23 P. M. ; recall signal, 10.15 P. M. Apparatus in service : twelve engines, one chemical engine and five hook and ladder trucks. Loss, $61,884.19 ; insurance, $240,500.00.

June 28th—Northeast corner of Thames and Philpot streets, a four-story brick building, 60 by 100 feet, with iron shutters on all the side and back windows, occupied by E. Levering & Co., as a coffee roasting and storage warehouse for coffee. The fire originated on second floor from some unknown cause and spread through the third and fourth stories, burning off the rear part of the roof ; the iron shutters being all closed prevented the fire from being seen until it had spread through the building. The first alarm was received from Box 154 at 5.48 P. M.; second alarm 5.55 P. M.; third alarm 6.02 P. M.; recall signal, 12.56 A. M., on June 29th. Eleven engines, four hook and ladder trucks and the water tower was in service. Loss, $63,506.22; insurance, $113,250.00.

October 4th—Locust Point, south side of the harbor, a ten-story frame building, 80 by 150 feet and 160 feet high, built on piles, with water around it at back and sides, owned by the Baltimore and Ohio Railroad Company and known as Grain Elevator A. Its capacity was 600,000 bushels ; at the time of the fire it had in 151,000 bushels of wheat. The fire when discovered was about half way up the elevator on top of the bins, and when the alarm was given it had spread over the entire structure. In close proximity to it were covered

piers and a warehouse filled with merchandise, cars, piles of lumber, the transfer wharfs and slips, with machinery for running cars on barges, of the New York and Philadelphia trains of the Baltimore and Ohio Railroad Company. The Fire Boat Cataract and tug boats Britannia and Canton took positions between the burning elevator and the piers, and prevented the fire from spreading in that direction. The efforts of the engine and hook and ladder companies, assisted by five streams from the pumps at Elevators B and C, were directed to prevent the fire from spreading to the surrounding property. No damage was done outside of the elevator where the fire originated. The first alarm was received from Box 73 at 7.18 A. M.; second alarm at 7.35 A. M., and third alarm at 7.48 A. M.; recall signal, 10.15 A. M., on October 6th. Eight engines, two hook and ladder companies and the Fire Boat was in service. Loss, $245,419.40; insurance, $280,500.00.

December 30th—No. 11 North Howard street, a four-story brick building, 22 by 120 feet, occupied by Howard Bokee, dealer in crockery, glassware, lamps and oils. The fire originated at centre of the building on third floor, spread up to the fourth floor, used as the packing room, and burned off the roof. The first alarm was received from Box 414 at 5.30 P. M. ; second alarm 5.49 P. M., and third alarm at 5.55 ; recall signal, 10.14 P. M. Twelve engines, four hook and ladder trucks and one chemical engine was in service. Loss, $13,875.00 ; insurance, $28,000.00.

July 29th—At 4.20 A. M. received a telephone message that there was a large fire at Canton, Baltimore county, near the City boundary, which was beyond the control of the County Fire Department; and as surrounding property was endangered, Fire Marshal George Morgan had asked for assistance from this Department. The fire was in an iron tank 32 feet high and 90 feet in diameter, containing twenty-eight thousand barrels of coal oil, situated near the intersection on First avenue and Second street, and owned by the Consolidated Coal Oil Company. The tank had been struck by lightning, which ripped the cover and ignited the oil. There was another tank within fifty feet of the one burning, which contained thirty thousand barrels of coal oil. Nos. 5 and 11 Engine Companies and No. 3 Hook and Ladder Company were called and placed in service, playing four streams, two from each engine, and worked twenty-six hours. The fire was confined to the one tank, although some of the buildings were within thirty feet of it.

In recognition of the service rendered, the Consolidated Coal Oil Company sent their check for five hundred dollars, which was divided amongst the members of the three companies that were in service at the fire.

Fire Alarm Boxes where Second, Third and General Alarms were sent in from in 1891.

Box.	Where Located.	Date.	Second.	Third.	General.	Loss.	Insurance.
135	Drawbridge, foot of Falls	February 12th	Second			$6,223 89	$8,800 00
427	Lexington and Greene streets	February 15th	Second	Third		6,484 69	36,000 00
294	Jenkins lane, Annex	March 21st	Second			9,166 41	9,350 00
72	Covington and Donaldson streets	March 27th	Second			7,224 84	15,800 00
42	No. 2 Truck House, Paca street	March 29th	Second	Third		21,458 06	70,458 06
426	Baltimore street and Carrollton ave	March 29th	Second			500 00	750 00
418	Lexington and Howard streets	April 5th	Second			12,745 62	39,250 00
143	Pratt street and Central avenue	May 17th	Second			8,118 07	10,200 00
415	Baltimore and Eutaw streets	June 10th	Second	Third		61,884 19	240,500 00
154	Caroline and Thames streets	June 28th	Second	Third		63,506 22	113,250 00
17	No. 11 Engine House, Eastern ave	July 25th	Second			9,215 76	9,000 00
437	Pratt and Greene streets	August 22d	Second			674 80	2,400 00
51	Pratt and Light streets	September 27th	Second			7,880 73	73,800 00
73	Fort avenue and Dry Dock	October 4th	Second	Third		245,417 40	280,500 00
312	Clay and Park streets	October 27th	Second			2,975 10	4,150 00
353	Near Boundary Avenue bridge	December 20th	Second			2,360 00	
414	German and Howard streets	December 30th	Second	Third		13,875 00	28,000 00

TABLE

Showing the Causes of Fires and Alarms during the Year 1891.

Defective flues and chimneys	55
Coal oil and gasoline stoves	58
Spontaneous combustion	30
Causes unknown	57
Overheated stoves	38
Foul chimneys	19
Children playing with matches	27
Children playing with fire	19
Sparks from chimneys and stacks	22
Supposed incendiary	23
Carelessness	32
Friction of machinery	8
Fire falling from stoves and grates	10
Falling of coal oil lamps	14
Upsetting of coal oil lamps	7
Coal oil and gasoline lamps exploding	20
Defective construction of buildings	11
Furnaces setting fire to woodwork	11
Filling coal oil lamps while burning	2
Mice or rats gnawing matches	7
False alarms	10
Hot ashes in wooden boxes	6
Heaters setting fire to goods	3
Heat from cupolas	4
Sparks from locomotives	4
Crossing electric light with other wires	7

Decorations taking fire	3
Registers in floors igniting woodwork	2
Gasoline used to heat irons	1
Unprotected stove pipes igniting woodwork	14
Stove pipes becoming disconnected	2
Smoke and lights seen in buildings	6
Grease on stoves taking fire	4
Gas jets setting fire to articles	19
Heat from ovens in bakeries	8
Clothes falling on stove	1
Lighted candles falling	3
Meat in smoke house dropping in fire	2
Heat from castings in foundry	1
Burning sulphur in bleaching house	1
Pipes used to convey heat becoming overheated	3
Careless handling of coal oil	6
Woman's clothes taking fire from stove	2
Tinners fire pots, heat or sparks from	3
Uncovered lights	7
Heat from bricks in burning kiln	1
Lightning	4
Lime slacking in frame building	2
Fire crackers	9
Burning balloon falling on shingle roofs	2
Heat from swinging coal oil lamp	3
Escaping gas taking fire from lights	2
Sparks from another fire	1
Smoking in bed	2
Heat from boilers	2
Candle burning down and falling on goods	1

Vapor from turpentine igniting	1
Sparks from fire in blacksmith shop	1
Rekindling of fire after apparatus left	2
Heat from fires built on hearths igniting woodwork	2
Testing automatic sprinklers	1
Escaping gas taking fire from lights	2
Automatic fire alarms	5
Instantaneous fire alarms	2

LIVES LOST AT FIRES WHERE ALARMS WERE SENT OUT AND THE DEPARTMENT WAS IN SERVICE.

March 17th, box 56, time 2.12 P. M —Willie Jorden, age 5 years; Henry and Warner Cochran, aged 7 and 10 years (colored), were suffocated in the third story of a building, No. 154 West Hamburg street.

March 30th, box 452, time 11.15 A. M.—Maria Todd, age 80 years, was burned to death in a room on fourth story of building, Aged Woman's Home, southwest corner of Franklin street and Fulton avenue.

April 4th, box 153, time 6.21 P. M.—Lewis Weinburg, age 35 years, was so badly burned by an explosion of gasoline, which set fire to the house, that he died in four hours after in first story of building, No. 1501 Eastern avenue.

July 14th, box 146, time 11.20 P. M.—Andrew Knaup, age 4 years, was burned to death in second story of building, No. 915 East Pratt street.

November 27th, box 41, time 4.05 P M.—Dandridge Kelly, age 65 years (colored), was burned to death in basement of building, No. 7 North Charles street, containing new furniture and excelsior packing.

December 19th, box 143—Henrietta Davis, colored, age 72 years, was burned to death in second story back room ; the fire was caused by her clothes taking fire from stove.

PLACES WHERE PEOPLE WERE RESCUED BY LADDERS, WHEN THE LOWER STORIES OF THE BUILDINGS WERE BURNING.

April 4th, time 6.21 A. M., box 153—No. 1501 Eastern avenue, a boy five years old, from second story, by No. 3 Truck Company.

April 14th, time 3.20, still alarm—No. 26 Harrison street, two girls, aged 3 and 8 years, were taken out of third story by No. 3 Truck Company, who had transferred to No. 1 Truck House, that company being away to fire at Box 12.

September 16th, time 12.40 A. M , box 162—No. 201 Fell street, tenement house, fifteen people, men, women and children, were taken from upper stories, by No. 3 Truck Company.

October 5th, time 6.21, box 526—No. 212 West Camden street, a woman and child was taken from third story, on ladders that are carried on No. 2 Engine Company's hose wagon.

October 28th, time 1.29 A. M., box 162—No. 808 South Ann street, a man and woman were taken from third story, by No. 3 Truck Company.

November 10th, time 1.12 A. M., box 23—No. 503 North Eden street, three children, aged 7, 10 and 12 years, were taken from third story, by No. 3 Truck Company.

TABLE G.

Showing the Number of Fire Alarm Boxes that each Company Responds to on the First, Second and Third Alarms.

Companies.	First Alarm.	Second Alarm.	Third Alarm.	Total Number of Boxes.
No. 1 Engine Company	50	137	42	229
No. 2 Engine Company	70	93	34	197
No. 3 Engine Company	58	82	65	205
No. 4 Engine Company	63	93	64	221
No. 5 Engine Company	61	39	114	214
No. 6 Engine Company	83	92	86	261
No. 7 Engine Company	76	144	53	273
No. 8 Engine Company	94	53	80	227
No. 9 Engine Company	88	30	58	176
No. 10 Engine Company	73	76	87	236
No. 11 Engine Company	42	21	5	68
No. 12 Engine Company	32	21	6	53
No. 13 Engine Company	66	51	57	174
No. 14 Engine Company	50	7	2	59
No. 15 Engine Company	52	52	....	104
No. 16 Engine Company	54	6	....	60
No. 1 Hook and Ladder Company	55	68	43	166
No. 2 Hook and Ladder Company	69	105	20	194
No. 3 Hook and Ladder Company	62	17	18	97
No. 4 Hook and Ladder Company	73	76	57	205
No. 5 Hook and Ladder Company	70	3	5	78
No. 6 Hook and Ladder Company	44	62	32	138
No. 8 Chemical Engine Company	81	1	....	82

TABLE

Showing the Number of Alarms Monthly for the Year 1891.

Month	Box Alarms.	Still Alarms.	Total.
January	48	23	71
February	33	12	45
March	36	11	47
April	37	15	52
May	36	15	51
June	44	11	55
July	36	24	60
August	37	14	51
September	32	23	55
October	40	19	59
November	40	21	61
December	46	23	69
	465	211	676

TABLE

Exhibiting the Number of Alarms for the Hours of the Day During the Year 1891.

Ante Meridian.		*Post Meridian.*	
BETWEEN		BETWEEN	
12 and 1 o'clock	23	12 and 1 o'clock	27
1 and 2 o'clock	36	1 and 2 o'clock	29
2 and 3 o'clock	18	2 and 3 o'clock	19
3 and 4 o'clock	10	3 and 4 o'clock	40
4 and 5 o'clock	12	4 and 5 o'clock	28
5 and 6 o'clock	6	5 and 6 o'clock	37
6 and 7 o'clock	13	6 and 7 o'clock	41
7 and 8 o'clock	33	7 and 8 o'clock	33
8 and 9 o'clock	26	8 and 9 o'clock	37
9 and 10 o'clock	34	9 and 10 o'clock	43
10 and 11 o'clock	39	10 and 11 o'clock	34
11 and 12 o'clock	23	11 and 12 o'clock	28

TABLE.

Number of Fires on Each Day of the Week for the Year 1891.

Day.	Number of Fires.
Sunday	88
Monday	88
Tuesday	98
Wednesday	107
Thursday	106
Friday	91
Saturday	94

TABLE

Showing the Number of Box Alarms by Districts for the Year 1891.

Month.	East of Charles street.	West of Charles street.	Annexed District.	Total.
January	21	19	8	48
February	11	18	4	33
March	11	21	4	36
April	20	16	1	37
May	14	17	5	36
June	16	21	7	44
July	15	17	4	36
August	9	24	4	37
September	14	14	4	32
October	17	20	3	40
November	11	25	4	40
December	20	24	2	46
	179	236	50	465

There were 178 alarms from boxes in the eastern district, which comprises all that part of the City, east of Charles street, from North avenue to Lee street, and 237 alarms from boxes in the western district, which comprises all that part of the City, from the centre of Charles street, from North avenue to the centre of Lee street, and around the water front to Gwynn's Falls, and 50 alarms from boxes in the Annexed districts, which comprises the 21st and 22d Wards.

TABLE

Showing the Number of Times Engine Companies have responded to Fires and transferred to the houses of other Companies, the number of feet of Hose laid at Fires, and the working time of the Engines at Fires.

Companies.	Number of times Responded to Fires.	Number of times Transferred on Alarms.	Number of Feet of Hose laid at Fires.	Working Time of the Engines at Fires.	
				Hours.	Min.
No. 1 Engine Co.....	120	.....	28,700	46	15
No. 2 Engine Co.....	138	.....	28,100	68	40
No. 3 Engine Co.....	129	.....	22,700	36	....
No. 4 Engine Co.....	115	.....	15,250	32	30
No. 5 Engine Co.....	109	45	26,150	81	22
No. 6 Engine Co.....	122	2	31,650	68	35
No. 7 Engine Co.....	151	4	30,050	44	20
No. 8 Engine Co.....	122	73	14,550	35	....
No. 9 Engine Co.....	139	31	22,200	46	15
No. 10 Engine Co.....	143	18	23,650	61	30
No. 11 Engine Co.....	75	47	14,650	49	....
No. 12 Engine Co.....	52	54	12,800	46	30
No. 13 Engine Co.....	101	33	21,200	64	30
No. 14 Engine Co.....	54	96	7,300	17	15
No. 15 Engine Co.....	125	.....	16,850	52	53
No. 16 Engine Co., Fire Boat.....	19	.....	.....	13	38
	1,714	403	*315,800	764	13

*More than 53 miles.

TABLE

Showing the Number of Times the Hook and Ladder Companies have responded to Fires and transferred to the houses of other Companies, the number of Ladders used at Fires, and the time the Hook and Ladder Companies were in Service at Fires.

Companies.	Number of Times Responded to Fires.	Number of times Transferred on Alarms.	Number of Ladders used at Fires.	Hook and Ladder Trucks in Service at Fires.	
				Hours.	Minutes.
No. 1 Hook and Ladder Co...	98	14	209	167	....
No. 2 Hook and Ladder Co...	144	1	198	174	40
No. 3 Hook and Ladder Co...	109	50	159	130	.
No. 4 Hook and Ladder Co...	120	113	171	148	....
No. 5 Hook and Ladder Co...	80	82	123	289	....
No. 6 Hook and Ladder Co...	95	15	167	100	....
	646	375	1017	1008	40

CHEMICAL FIRE EXTINGUISHERS.

The five-gallon fire extinguishers were used 796 times, and the fifteen gallon fire extinguishers that are carried on Nos. 1 and 2 Trucks were used 239 times, having discharged 7,565 gallons of the solution at fires.

No. 8 Chemical Engine Company has responded to one hundred and eight (108) fires. The tanks were used sixty (60) times; they are of eighty-five (85) gallons capacity each, making five thousand and one hundred (5,100) gallons.

TABLE.

Losses Monthly, year ending December 31st, 1891.

Month.	
January	$ 38,429 32
February	23,735 58
March	60,080 73
April	24,618 48
May	16,133 96
June	133,768 38
July	17,878 53
August	8,712 29
September	17,500 86
October	264,923 28
November	17,376 28
December	26,853 04
Total	$650,009 73

TABLE

Showing the Loss by Fires in Each District Monthly, for which Box Alarms were sent out, and by Silent Fires.

Month.	Eastern District.	Western District.	Annexed District.	Still Alarms.
January..	$11,071 86	$20,456 60	$5,629 86	$1,271 00
February	9,377 09	9,569 56	4,423 93	365 00
March...	10,707 03	36,114 88	13,003 82	255 00
April....	6,225 38	17,420 10	410 00	562 00
May.....	9,651 25	3,220 97	2,706 74	555 00
June	66,230 35	64,028 19	3,259 84	250 00
July.....	10,759 08	6,602 76	131 69	385 00
August ..	1,700 79	3,086 45	3,727 05	198 00
Septem'r.	3,752 54	11,124 39	1,080 00	1,543 93
October..	1,943 46	256,420 23	6,129 59	430 00
Novemb'r	6,420 42	6,390 16	2,099 80	2,465 90
December	3,155 17	20,762 87	2,560 00	375 00
	$140,994 42	$455,197 16	$45,162 32	$8,655 83

INCREASING THE NUMBER OF OFFICERS.

When the Department was organized in February, 1859, thirty-three years ago, it consisted of seven engine and two hook and ladder companies. The City was divided into two districts, designated the eastern and western. Calvert street, then being the centre of the City, was made the dividing line between them, and two officers were appointed, one for each district, and were termed assistant engineers. In 1883, owing to the spread of the City in the western section, the dividing line between the districts was changed to Charles street, but there has been no increase in the number of assistant engineers since the department was organized, although it has increased to fifteen engine companies, six hook and ladder companies, eight chemical engine companies, a fire-boat and water-tower, and the number of fires have increased from 112 to 676. After annexation, a superintendent was appointed for the annexed district. When large fires occur, and all the force available is called into service, the necessity for more officers is shown, as it impossible to properly direct the operations of companies that are working around the fire with one or two officers, and to guard against there being no commanding officer to take charge in the event of two large fires occurring at the same time (and this has happened several times), one of the assistant engineers is required to remain in his district when large fires occur away from the centre of the City. There should be two more assistant engineers appointed, making four, and

the City divided into four districts, and one assistant engineer to have charge of each district.

POMPIER LIFE-SAVING CORPS.

As the greatest height to which the extension ladders on the largest Hayes' Trucks, such as Nos. 1 and 2 are, can be elevated is eighty-five (85) feet, and as a number of buildings have been, and are now being erected, whose upper-story windows are beyond the reach of these ladders, I would recommend that a set of Pompier Corps Ladders, and a suitable wagon to carry them on to fires, be procured. These ladders are made with a single staff, the rounds passing through it, and have an iron prong at the end to catch and hold over the window-sills of the buildings, where they are required to be used, so that the firemen can get to the windows where the other ladders will not reach, and that a Company be organized, by selecting suitable men from the other Companies to work them, as they would soon become, by proper drilling, proficient in using these ladders with the life lines and belts, so that in case of an emergency they would be able to give aid in rescuing persons whose lives are imperiled in high buildings.

ADDITIONAL APPARATUS FOR THE ANNEXED DISTRICT.

On April 21st, a four-wheel hose carriage, to be drawn by two horses, with seven hundred (700) feet of 2½-inch gum hose, was transferred to No. 7 Chemical Engine House at Hampden, and placed in service there.

The hose carriage was from No. 8 Engine Company, and the hose from No. 12 Engine Company.

FIRE ALARM BOXES.

Thirteen (13) additional fire alarm boxes were put up, making the total number now in service three hundred and seven (307), nine of which are private boxes, and are placed inside of buildings. The new boxes are numbered and located as follows:

Box 176—Orleans street and Patterson Park avenue.
" 244—McKim and Neighbor streets.
" 268—Spring and Federal streets.
" 269—Monument and Port streets.
" 274—Biddle and Chester streets.
" 275—Monument and Cannon streets.
" 278—Gay and Wolfe streets.
" 373—Fremont street and Patterson avenue.
" 389—Three-and-a-Half Mile House, Reisterstown road, Annex.
" 399—Third avenue and Sycamore street, Annex.
" 438—Lombard and Scott streets.
" 439—Lombard street and Arlington avenue.
" 518—Bayard and Ridgely street.

Keyless doors have been placed on the following fire alarm boxes, making the number of fire alarm boxes with keyless doors now in service sixty-six (66). Thirty of them have been in service two years: 14, 124, 125, 126, 128, 131, 134, 212, 218, 241, 242, 248, 312 314, 316, 318, 319, 32, 321, 322, 416, 417, 419, 42, 423, 425, 427, 43, 431, 436, 437, 514, 52, 523 and 61.

LOCATIONS WHERE FIRE ALARM BOXES ARE REQUIRED.

Conway and Light streets, with keyless door.
Howard and Dover streets, with keyless door.
Howard and Hamburg streets, with keyless door.
Howard and Garrett streets, with keyless door.
Saratoga and Cathedral streets, with keyless door.
Saratoga and Holliday streets, with keyless door.
Fremont and Baltimore streets, with keyless door.
Druid Hill ave. and Wilson street, with keyless door.
Washington ave. and B. & O. R. R., with locked door.
Charles street and Bank lane, with keyless door.

The following fire alarm boxes should be changed to keyless doors : 135, 145, 147, 153, 154, 162, 165, 171, 182, 217, 26, 247, 426 and 432.

FIRE ALARM TELEGRAPH OVERHEAD WIRES.

During the past year trouble was frequently caused, connection being made by wires falling or crossing, and thereby reverting the current from the electric light to the fire alarm wires, and on two occasions, entire circuits were cut out, and no alarms could have been sent in from boxes on them had fires occurred. Men were placed in belfreys on the houses of the Department and kept there for two nights, watching for fires while the circuits were disabled, and to prevent occurances of this kind, which may cause a disastrous fire, and perhaps a loss of life, the overhead wires especially in the centre (business section) of the City, should be placed under ground.

EXTRA SERVICE PERFORMED.

Frequently after heavy rains, the five reserve engines of the Department are called upon to pump water from cellars, basements and ponds that are filled. During the past year these calls have been frequent, the engines have worked four hundred and sixty (460) hours, and pumped water at two hundred and twenty-eight (228) houses, in the following localities: Broadway and Barnett street, Central avenue, south of Pratt street, Columbia avenue, Portland and Haw streets, Monument, Caroline and Eden streets, Druid Hill avenue and Laurens street, and other places. This kind of service adds greatly to the expense of keeping the reserve engines in repair, as the water is dirty and contains chips, sand and gravel, which cut the pumps and valves. The bills for repairs to the engines that were disabled while performing this work, added considerable to the repair account during the past year.

LOCATIONS WHERE SITES HAVE BEEN PURCHASED TO BUILD HOUSES FOR ADDITIONAL ENGINE COMPANIES.

Two years ago, a lot of ground thirty-six (36) feet front, and one hundred and forty (140) feet deep, was purchased on Second street, between Maryland avenue and Oak street. I would recommend that a house be built and another Engine Company organized and placed in it, as an Engine Company is badly needed in this neighborhood, which has rapidly improved since the bridges were built over Charles, Saint Paul, Calvert and North streets, and is now closely

built up with a good class of houses, mostly dwellings. The nearest Engine Company is No. 7, which is located at the corner of Druid Hill avenue and Eutaw street, and there has been no increase to the number of Engine Companies in this section since the Department was organized, thirty-two years ago; and from this location the Company can afford protection to the property at Woodberry, Hampden, Waverly and Homestead, which are now supplied with water, and No. 3 Chemical Engine Company, which is now occupying a small building on Fifth street, near Charles Street avenue, for which the City is paying two hundred and forty dollars ($240) a year rent, will be removed, and occupy part of the building.

A lot was also purchased at the northeast corner of Fort avenue and Haubert street; it is forty-one by ninety-seven feet. A house should be built and an Engine Company placed in it, so as to give betttr protection to the large manufacturing and mercantile interests that are centered on Locust Point.

HARNESS.

The harness is all in good condition. There is now in service forty-eight (48) sets of double swinging harness, and nine (9) sets of single swinging harness. All the horses in regular service are supplied with them, which is a great relief to the horses, as prior to their introduction they were compelled to have the harness on at all times, and now they only wear the halters.

WHERE THE COMPANIES OF THE DEPARTMENT ARE LOCATED—STEAM ENGINE COMPANIES.

No. 1, Paca street, north of Fayette street.
No. 2, Barre street, west of Sharp street.
No. 3, Lombard street, east of High street.
No. 4, Lexington street, west of North street.
No. 5, Ann street, near Gough street.
No. 6, Gay and Ensor streets.
No. 7, Eutaw street, corner of Druid Hill avenue.
No. 8, Mulberry street, east of Oregon street.
No. 9, Madison street, east of Broadway.
No. 10, Columbia avenue, near Poppleton street.
No. 11, Eastern avenue, corner of Patterson Park avenue.
No. 12, Fort avenue, corner of Johnson street.
No. 13, Fremont street and Myrtle avenue.
No. 14 Hollins street, west of Monroe street.
No. 15, Lombard street, west of Howard street.
No. 16, Commercial Wharf, east of Broadway, quarters for crew of Fire Boat.

HOOK AND LADDER COMPANIES.

No. 1, Harrison street, near Fayette street.
No. 2, Paca street, near Fayette street.
No. 3, Ann street, near Gough street.
No. 4, Biddle street, near Druid Hill avenue.
No. 5, Asquith street, near Oliver street.
No. 6, Hanover street, corner of Ostend street.
No. 7, York road, Waverly.

No. 8, Brunswick street, near the Frederick road.
No. 9, Hampden.

CHEMICAL ENGINE COMPANIES.

No. 1, Brunswick street, near the Frederick road.
No. 2, Mary street, Clifton.
No. 3, Fifth street, near Charles Street avenue.
No. 4, York road, Waverly.
No. 5, Homestead.
No. 6, Belair road.
No. 7, Hampden.
No. 8, Lombard street, near Howard street.

The twenty-five houses that are owned by the City, and occupied by the companies, are all in good repair. The repairs and alterations that have been made are as follows:

No. 1 Engine House, new floor in engine room, pit made under engine, large skylight in roof and another sliding pole put up.

No. 2 Engine House, new front doors, cement pavement, arch over the gutter and another sliding pole put up.

No. 3 Engine House, room and passage papered and painted and another sliding pole put up.

NEW HOUSES FOR THE DEPARTMENT.

The Fire Department Quarters, which are located on Lombard near Howard street, have been completed

and are occupied by No. 15 Engine Company, No. 8 Chemical Company and the Water Tower, complete with 18 members. The lot is 35 by 174 feet, the house is two stories, 42 feet high ; on the front of first story there are two large doors for the apparatus, and between them a small door to be used as a way of exit. The height of the first story is seventeen feet to the ceiling ; the apparatus room is 35 feet wide and 138 feet deep ; the Hose Tower is 55 feet high, built of brick and stands on west side of the building. At the front the Chemical Engine and first Hose Wagon stands with the four horses in open stalls, on each side of the apparatus where they work ; behind them is the Engine with the two horses, one on each side of it ; then comes the Water Tower with the three horses standing in stalls, two on one side, and one on the other. There is swinging harness for all the horses, and at rear of Water Tower stands the reserve Hose Wagon, and on each side of it there are rooms to store fuel in. There are two iron spiral stairways leading to the second story, one to sleeping room, and the other to the store room, also an elevator to take up heavy goods. At the rear of the apparatus room there is a brick wall with a sliding door, which separates it from the stable for the reserve horses, where there are seven box stalls, each 8 by 10 feet ; in the centre there is a passageway eight feet wide. The entire room, first floor, has a granolithic cement floor ; on front part of second story is the sleeping room, 32 by 77 feet, and contains nine double wardrobes and nine-

teen bedsteads ; there are five brass sliding poles put up through openings in the floor for rapid transit to the first story. At the rear of this room, divided by partitions, are the bath, linen and storerooms, with water closets and workshop ; there is a solid brick wall dividing these rooms from the feed loft over the stable. The front pavement is cement, with an arch over the gutter. While the building was being constructed, No. 15 Engine Comprny was quartered in a temporary frame building erected for them at the intersection of Liberty and Fayette streets. The company went back to the new building on November 2d, 1891.

No 16. ENGINE HOUSE, QUARTERS FOR CREW OF FIRE BOAT,

is located on Commercial wharf ; it is a two-story frame building twenty-four feet high, the first story is fifteen by fifty-two feet. It is divided into two rooms, one being used as the sitting room, and the other as a storeroom. The second story is eighteen by fifty-two feet, the difference in the width of the rooms is caused by the second story extending over the first at the sides. The building is covered on the outside with sheet-iron, which is pressed and painted to resemble bricks. There are two brass sliding poles and all other necessary appliances.

No. 5 Engine House.—Sleeping-room papered and painted, another sliding pole put up and a cement pavement put in the yard.

No. 6 Engine House.—All outside work, including the steeple, painted.

No. 7 Engine House.—New floor in engine-room, 1,100 feet of six-inch terra cotta pipe put down to connect the Engine House to sewer at Franklin and Howard streets.

No. 8 Engine House.—550 feet of six-inch terra cotta pipe was put down to connect the Engine House to Schroder's run sewer.

No. 9 Engine House.—Stalls built for four horses; they are placed on each side of the apparatus, near where the horses work; new board floor in engine-room; a partition put up where front of horse stalls were, with double doors large enough for the apparatus to pass through; rear part of the room behind the partition paved with cement; two stalls put up for reserve horses; tower built fifty-one 51) feet (high to hang hose in; all outside of the house painted, and frame shed built in the yard to store fuel in.

No. 11 Engine House.—Another sliding pole put up and outside of house painted.

No. 12 Engine House.—Outside of house painted.

No. 14 Engine House.—The yard in rear was covered with a shed one-story high, with a tin roof on, and outside of house painted.

No. 1 Truck House.—A cement floor was put down in truck room and yard, and four windows made in walls of sleeping-room, two on each side.

No. 2 Truck House.—New board floor put down in truck-room.

No. 3 Truck House.—Partition in second story moved back sixteen feet, so as to make front room larger, and rooms painted.

No. 4 Truck House.—New floor in the first story.

No. 5 Truck House.—A frame addition one-story high, with skylight and tin roof on was built in rear of the house.

No. 6 Truck House.—All the walls and ceilings inside of the house, and woodwork on the outside, was painted.

Nos. 5 and 6 Chemical Houses.—Cement floors were put in first stories.

ALTERATIONS AND REPAIRS REQUIRED.

Hose Towers fifty five feet high should be erected at Nos. 8, 11 and 12 Engine Houses to hang the hose in, so as to properly dry and air them, which will prevent the hose from mildewing and adds to their durability.

No. 2 Engine House, a new floor in engine room and all inside woodwork painted. I would recommend that the following alterations should be made at Nos. 12 and 13 Engine Houses: The four horse stalls removed and placed on each side of the apparatus near where the horses work; a partition put up where front

of horse stalls were ; a cement floor put down behind the partitions where the stables were, similar to the improvements made at No. 9 Engine House ; doors made to open on side streets large enough for the apparatus to pass through ; two horse stalls put up in room at rear of No. 12 Engine House and four stalls put up in the room at rear of No. 13 Engine House to accommodate the horses that are used by the Telegraph Department.

IN THE ANNEXED DISTRICTS.

The House at Waverly that is occupied by No. 4 Chemical Engine and No. 7 Truck Company, needs considerable repairing, and it is not suitable for the department, as it was built for and used as a Police Station before annexation. On the first floor a large part of the room is taken up by the small rooms that were used as cells, and the apparatus and horse stalls are crowded together, and as all the space is required to place the apparatus and horses in proper position to make these companies more efficient, I would recommend that this house, the lot of which is 30 by 126 feet, should be taken down, and a larger and more suitable building be constructed to accommodate the Chemical Engine and Hook and Ladder Company, and as water mains have been laid and a number of fire plugs put up, a hose wagon with hose and horses should be added to the equipment of this company.

The house on Brunswick street, near the Frederick road, where No. 1 Chemical Engine and No. 8 Truck

Company are located, is also constructed on the first floor in the same manner as the building at Waverly, as it was also used as a Police Station. I would recommend that this house be altered, so that the entire first story can be used for the apparatus and horses, and that a hose wagon with hose and horses should be added to the equipment of this company.

FIRE PLUGS AND WATER MAINS.

Twelve (12) inch water mains, and a number of fire plugs have been placed along Boston street, and at the southwestern section, that is, south of West street and west of Eutaw street; also, at North avenue, Woodberry, Hampden and Waverly, and these localities are now supplied with water; the number of fire plugs put up during the year was 110, making the total number now in service 1,399.

In conclusion, I desire to say that with the Fire Boat to protect the shipping and other property along the ten miles of water front, the Water Tower to use when fires occur in high buildings, making all the members permanent in nine (9) Engine (this includes the Fire Boat) and two (2) Hook and Ladder Companies; also, increasing the permanent members to eight (8) in each of the other four Hook and Ladder Companies and to six (6) in each of the remaining seven Engine Companies, all of which has been done during the past year, has greatly increased the efficiency of the Department, as the permanent members are

drilled and instructed how to perform their duties, which cannnot be done with the call members who are only required to attend fires and sleep alternate weeks in the houses of the companies they are attached to, and by their actions on the fire ground, the difference can be seen between the companies with all permanent members and the companies that have part call members, as the companies with all permanent members, when they arrive at the fire with their seven or eight pipemen, instantly take positions where they are ordered and get to work ; but the companies that depend on call members, when they arrive with one or two pipemen, and if it is during meal hours likely none, before they can get to proper positions, are delayed while waiting for their call members to arrive or for assistance from some other source. And for these reasons, I recommend that all the call members should be made permanent. There are now fifty-one (51) of them, thirty-five (35) in seven Engine Companies and sixteen (16) in the four Hook and Ladder Companies, and that houses should be built on the sites that have been purchased, and two more Engine Companies organized, and as the number of large buildings are increasing, whose upper stories are beyond the reach of the longest extension ladders, a Pompier Corps, with their life-saving appliances, is needed.

Respectfully submitted,

JOHN M. HENNICK.

Chief Engineer.

LOCATION OF COMPANIES

—AND—

ROSTER.

ENGINE COMPANY No. 1.

Located on Paca street, north of Fayette street.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Permanent Employees.					
William C. McAfee	27	Captain	3 yrs. 10 mo	109 E. Lafayette ave.	Plumber.
Herman F Bichy	33	Lieutenant	1 yr. 9 mo.	626 W. Saratoga st.	Clerk.
Charles E. Freburger	44	Engineman.	16 years.	111 Pearl street	Machinist.
John W. Eckhardt	28	Ass't Eng'n	1 yr. 4 mo.	647 W. Lee street	Machinist.
Louis J. Fresch	48	Driver	20 years.	3 Pearl street	Driver.
Edward R. Addison	44	Fireman	17 "	404 N. Greene street.	Machinist.
Albert Oelmann	26	"	3½ "	638 W. Saratoga st.	Blacksmith.
Wm. H. C. Laughlin	46	"	3 yrs. 3 mo.	907 W. Mulberry st.	Huckster.
Emil Heise	31	"	1 yr. 9 mo.	105 Pearl street	Packer.
Edward F. Kelly	33	"	1 yr. 9 mo.	809 W. Lombard st.	Paver.
Andrew J. Stump	22	"	8 months.	884 Pierce street	Baker.

ENGINE COMPANY No. 2.

Located on Barre street, west of Sharp street.

Name.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Permanent Employees.					
John J. Ledden	41	Captain	14 years	504 W. Barre street	Clerk.
C. Henry Hammel	38	Lieutenant	5 "	113 W. Hill street	Plumber.
Thomas E. Wheatley	51	Engineman.	23 "	646 W. Lee street	Machinist.
Daniel H. Weber	31	Ass't Eng'n	2 yrs. 6 mo	213 W. Barre street	Machinist.
James H. Murray	26	Hostler	1 yr. 7 mo	305 E. Hamburg st.	Driver.
William Eckert	33	Fireman	4 yrs. 8 mo	19 W. Lee street	Brushmaker.
Charles Romoser	30	"	2 " 5 mo	608 S. Sharp street	Plumber.
Frank Hines	27	"	1 yr. 9 mo.	1109 Race street	Tinner.
Maurice C. Bollman	26	"	1 yr. 2 mo.	19 W. Lee street	Painter.
George C. Young	37	"	9 months.	213 W. Barre street.	Tinner.
George H. Hewitt	26	"	8 "	131 W. Barre street.	Brushmaker.
John W. Ruppert	31	"	1 yr. 3 mo.	1265 Johnson street	Can Capper.

ENGINE COMPANY NO. 3.

Located on East Lombard street, near High.

Names.	Age.	Position.	Time in Service.	Residence.	Former Occupation.
Permanent Employees.					
Fielding H. Lucas.....	40	Captain....	11 years..	12 S. High street....	Type Moulder.
Thomas B. Campbell...	29	Lieutenant.	2 " ..	8 N. Front street....	Iron Moulder.
Patrick F. Moriarty...	41	Engineman.	17 " ..	910 E. Lombard st...	Machinist.
Thomas G. Huth.....	24	Ass't Eng'n	20 months.	1901 Orleans street..	Machinist.
John F. Peerce.....	48	Driver.....	16 years..	407 N. Front street..	Baker.
Benjamin Price.....	47	Fireman....	12 " ..	124 S. Bond street...	Coffee Roaster.
G. Louis Schlimm.....	31	"	3⅔ " ..	313 S. Exeter street..	Boxmaker.
Herman Fumbaugh....	35	"	3⅔ " ..	1408 Gough street...	Driver.
Robert H. Dougherty..	35	"	3 " ..	237 S. Bond street...	Undertaker.
August Schlimm.....	25	"	21 months.	1010 Eastern avenue.	Driver.
James T. Pearl.....	35	"	5 years..	208 S. Ann street....	Tobacco Worker.

ENGINE COMPANY No. 4.

Located on Lexington street, east of Calvert street.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Permanent Employees.					
George W. Horton	46	Captain	30 years	404 Colvin street	Wire Worker.
George W. Bentz	51	Lieutenant	23 "	407 W. Mulberry st.	Baker.
John Gaffney	36	Engineman	15 "	1110 Clifton Place	Machinist.
Joseph P. Whalen	28	Ass't Eng'n	6 months	120 S. Schroder street	Machinist.
Andrew J. Connelly	36	Driver	12 years	411 Pine street	Driver.
Charles W. Stuart	26	Pipeman	4 "	212 N. Paca street	Clerk.
Constant Seibert	40	"	10 "	1123 E. Fayette street	Driver.
Wm. H. Cullen	34	"	11 months	1312 Greenmount ave.	Driver.
Martin F. Lawless	35	"	1 year	817 Covington street	Mariner.
Jos. H. Daily	39	"	11 years	14 Watson street	Stonecutter.
Wilmer West	48	"	22 "	524 N. High street	Tinner.
George E. Croucher	30	"	4 "	912 Stiles street	Canmaker.

ENGINE COMPANY No. 5.

Located on Ann street, near Gough street.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Permanent Employees.					
Andrew W. German	42	Captain	20 years	221 S. Ann street	Painter.
James L. Lindsay	50	Lieutenant	13 "	230 S. Exeter street	Paperhanger.
Frederick L. Nelson	44	Engineman	17 "	404 S. Ann street	Machinist.
John N. Bletzer	28	Ass't Eng'n	3 "	510 S. Wolfe street	Machinist.
Henry Murphy	40	Hostler	12 "	420 S. Wolfe street	Suger Refiner.
Henry R. Seippel	42	Pipeman	17 "	1637 E. Pratt street	Barber.
William B. Baker	34	"	10 "	208 S. Ann street	Brass Finisher.
John H. Reitz	29	"	4 "	2013 E. Lombard st	Merchant.
Charles Rosenthal	34	"	15 months.	512 S. Collington av.	Carpenter.
Anthony Schoepplein	36	"	6 "	309 S. Register st.	Cooper.
John Sally	55	"	2 "	306 N. Paca street	Veterin'y Steward

ENGINE COMPANY No. 6.

Corner of Gay and Ensor streets.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Permanent Employees.					
Richard V. Pittinger..	43	Captain....	12 years ..	402 Aisquith street..	Carpenter.
Charles Betz.....	38	Lieutenant.	7 " ..	426 Colvin street....	Shoemaker.
Matthew Mulligan.....	53	Engineman.	21 " ..	1027 Valley street...	Machinist.
Thomas F. Sexton.....	37	Ass't Eng'n	3 yrs. 6 mo	936 E. Monument st.	Machinist.
William H. Ryan	28	Driver.....	5 years ...	842 Hillen street....	Driver.
Lawrence Blake.....	46	Fireman ...	20 " ...	817 North Gay st...	Painter.
Benjamin Seipp.....	38	" ...	11 " ...	1429 Orleans street...	Plumber.
George Mineburg.....	49	" ...	20 " ...	218 N. Central ave..	Barber.
F. C. H. Berger	35	" ...	6 " ...	730 Aisquith street.	Silversmith.
Frank L. Creamer.....	28	" ...	1 yr. 9 mo.	1209 Monument st...	Carpenter.
Joseph E. Renner.....	35	" ...	9 months..	918 Valley street. ..	Miller.
Thomas Gaven.....	25	" ...	6 " ..	107 S. Central ave..	Driver.

ENGINE COMPANY NO. 7.

Located at Druid Hill avenue and Eutaw street.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Permanent Employees.					
William F. Morrow....	42	Captain....	14 years ..	726 N. Eutaw street.	Moulder.
Louis B. Schieve.....	39	Lieutenant.	19 " ..	620 N. Eutaw street.	Paperhanger.
Jacob S. Corns.....	39	Engineman.	13 " ..	729 N. Eutaw street.	Machinist.
Thomas S. Brown.....	32	Ass't Eng'n	5 " ..	1342 Division street..	Machinist.
Frank B. Hart	42	Hostler.....	6 " ..	524 Lanvale street..	Hostler.
Samuel A. Seymour....	31	Fireman....	6 " ..	620 N. Eutaw street.	Canmaker.
John J. Houck.....	41	" ...	12 " ..	915 Madison avenue.	Machinist.
William F. Doeppe....	32	" ...	2 yrs. 4 mo.	1125 Druid Hill ave..	Upholsterer.
Charles A. Soistmann..	38	" ...	1 " 10 ".	610 Chestnut alley..	Drum-maker
Thomas G. Starr.....	40	" ...	1 " 8 ".	610 George street...	Clerk.
Paul L. Linde.....	25	" ...	10 months.	109 Church street...	Canmaker.

ENGINE COMPANY NO. 8.

Located on Mulberry street, east of Arlington avenue.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Permanent Employees.					
A. J. Walter	54	Captain	20 years	1020 W. Saratoga st.	Cigarmaker.
W. T. Joyner	45	Engineman.	6 months	925 W. Mulberry st.	Machinist.
Martin J. Hesmar	45	Ass't Eng'n	17 months.	814 W. Mulberry st.	Machinist.
W. J. Stewart	41	Driver	16 years	424 N. Arlington ave.	Tinner.
G. B. Chapman	59	4th Hous'n.	20 "	756 W. Franklin st.	Shoemaker.
Frederick Johnson	48	5th Hous'n	16 "	939 W. Lombard st.	Carpenter.
Members at Call.					*Occupation.*
Charles Airey	40	Callman.	7 years	419 W. Schroeder st.	Cigarmaker.
J. F. Rupp	34	"	3½ "	118 S. Gilmor st.	Plasterer.
James McGlennen	30	"	2½ "	895 W. Lombard st.	Moulder.
John Krauss	32	"	2 "	1321 N. Carey st.	Moulder.
John J. Murphy	37	"	6 months.	518 N. Broom st.	Moulder.

ENGINE COMPANY NO. 9.

Located on Madison street, east of Broadway.

Names.	Age.	Positon.	Time of Service.	Residence.	Former Occupation.
Permanent Employees.					
David H. Macaulay	65	Captain	31 years	1211 N. Eden street	Painter.
Daniel R. Rogers	45	Engineman.	20 "	1706 E. Madison street	Machinist.
William H. Stanton	43	Ass't Eng'n	14 "	5 N. Broadway	Machinist.
William B. Baker	34	Driver	11 "	727 N. Washington st.	Laborer.
James McDevitt	49	Fireman	20 "	1705 E. Madison street	Harnessmaker.
William H. Cuddy	34	"	3½ "	1629 E. Madison street	Driver.
Members at Call.					*Occupation.*
Solomon Uhlfelder	48	Fireman	20 years	1914 E. Madison street	Huckster.
John H. Cruse	59	"	12 "	809 Ensor street	Cigarmaker.
Charles C. Neilson	38	"	13 "	1813 E. Madison street	Bricklayer.
Henry S. Abell	35	"	14 months.	516 Asquith street	Rigger.
John E. Wallace	27	"	6 "	1718 E. Madison street	Painter.

ENGINE COMPANY No. 10.

Located on Columbia avenue, near Poppleton street.

Names.	Age.	Position	Time of Service.	Residence.	Former Occupation.
Permenant Employees.					
William R. Ward	47	Captain	20 years	124 S. Calhoun st.	Carpenter.
John W. Walsh	42	Engineman.	16 "	1115 W. Baltimore st.	Machinist.
James Nugent	35	Ass't Eng'n	8 "	417 S. Poppleton st.	Machinist.
George W. Thorpe	41	Driver	11 "	832 W. Pratt street.	Hostler.
Justice G. Keilholtz	46	Fireman	18 "	896 W. Lombard st.	Mantle Setter.
Samuel W. Marker	41	"	11 "	204 N. Arlington av.	Carpenter.
Members at Call.					*Occupation.*
James Scott	37	Fireman	6 years	922 Columbia ave	Trunkmaker.
Henry Zachmen	38	"	3 yrs. 6 mo	940 Hamburg street.	Cigarmaker.
William Power	32	"	4 years	1610 Hanover street	Painter.
John Eigenbrocht	30	"	1 year	1117 Bowen street	Wood Carver.
Henry Stagge	26	"	6 months	1117 Bowen street	Moulder.

ENGINE COMPANY NO. 11.

Located on Eastern avenue, corner Patterson Park avenue.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Permanent Employees.					
Michael A. Lind.	30	Captain.	5 years	505 S. Pats'n Pk. av.	Coach Painter.
John Calder	45	Engineman	21 "	422 S. Pats'n Pk. av.	Machinist.
John Lindemann	44	Ass't Eng'n	3 "	2036 Bank street.	Machinist.
Lewis Battee	30	Driver.	5 "	620 S. Burke street.	Paperhanger.
Joshua H. Miller	35	Fireman.	6 "	1933 Gough street.	Cigarmaker.
Benjamin V. Beyer	27	"	2 "	503 S. Pats'n Pk. av.	Laborer.
Members at Call.					*Occupation.*
Albert H. Gier	37	Fireman	13 years	126 S. Chapel street.	Painter.
John Koos	29	"	4 "	2316 Canton avenue.	Canmaker.
George Shipley	34	"	2 "	515 S. Pats'n Pk. av	Gilder.
Charles E. Dewitt.	41	"	7 "	2010 Gough street.,	Carpenter.
Frank E. Nehren	28	"	6 months.	232 S. Eden street.	Engineer.

ENGINE COMPANY NO. 12.

Located on Fort avenue, corner of Johnson street.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Permanent Employees.					
James Humes	48	Captain	23 years	137 W. Lee street	Glass Cutter.
Michael Lycett	45	Engineman.	19 "	1417 Battery avenue	Machinist.
Thomas S Atkinson	42	Ass't Eng'n	11 "	1423 Henry street	Machinist.
Joseph W. Moon	41	Hostler	13 "	416 E. Fort avenue	Laborer.
Edward C. Klessel	39	Fireman	10 "	1442 Riverside ave	Gilder.
George Stegman	31	"	5 "	1517 William street	Boilermaker.
Members at Call.					*Occupation.*
Thomas Fitzpatrick	55	Fireman	12 years	137 E. Fort avenue	Tinner.
James Catterton	44	"	5 "	1460 William street	Painter.
Thomas Voyce	32	"	2 yrs. 9 mo	542 E. Fort avenue	Boilermaker.
William Kirwan	35	"	2 years	10 W. Fort avenue	Tinner.
Peter McGonigle	31	"	2 "	406 E. Fort avenue	Cotton Inspector.

ENGINE COMPANY No. 13.

Located at the intersection of Fremont street and Myrtle avenue.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Permanent Employees.					
John Hoffman	44	Captain	15 years	1507 Myrtle avenue	Canmaker.
John H. Deal	49	Engineman.	20 "	1519 Myrtle avenue	Machinist.
John A. Bannon	48	Ass't Eng'n	14 "	1117 Riggs avenue	Machinist.
Thomas H. Wright	37	Driver	7 "	1608 Mulberry street.	Driver.
Lawrence Pistel	41	Fireman	18 "	1544 Argyle avenue	Cigarmaker.
Wm. R. La Shone	45	"	19 "	1343 N. Carey street.	Upholsterer.
Members at Call.					*Occupation.*
Philip Bowen	40	Fireman	14 years	1112 Pennsylvania av.	Cigarmaker.
Wilbur Peirce	34	"	8 "	623 Sewell street	Moulder.
James Keyser	48	"	8 "	637 Pitcher street	China Packer.
William Lynch	26	"	3 "	1121 Riggs avenue	Carpenter.
George Kennard	24	"	4 months.	1008 Mosher street	Clerk.

ENGINE COMPANY No. 14.

Located on Hollins street, west of Monroe street.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Permanent Employees.					
Wm. H. Dunn	41	Captain	16 years	1839 W. Baltimore st.	Hostler.
Sam'l W. Stansbury	41	Engineman.	17 "	1925 W. Baltimore st.	Machinist.
John Conway	36	Ass't Eng'n	9 "	1630 McHenry street.	Machinist.
J. Oscar Healey	56	Hostler	31 "	1710 W. Fayette st.	Carpenter.
C. Allan Orem	40	Fireman	10 "	1717 W. Lexington st.	Painter.
Philip L. Brady	29	"	5 "	1825 Frederick ave.	Ironworker.
Members at Call.					*Occupation.*
Howard Scott	39	Fireman	16 years	1938 Hollins street.	Bricklayer.
James B. Baldwin	36	"	5 "	1823 Frederick ave.	Canmaker.
George A. Wright	35	"	1 yr. 8 mos	1913 W. Lombard st.	Painter.
C. H. Baker	39	"	12 years	1928 Hollins street.	Scalemaker.
Jas. P. Dillon	31	"	1 yr. 3 mos	2000 W. Pratt street.	Hostler.

ENGINE COMPANY NO. 15.

Located on Lombard street, between Eutaw and Howard.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Permanent Employees.					
Frank K. Conway.....	40	Captain....	19 years ..	647 W. German st..	Machinist.
Thomas H. Humphreys.	50	Engineman.	19 " ..	306 S. Paca street...	Machinist.
William F. Awalt.....	31	Ass't Eng'n	2 " ..	834 W. Saratoga st.	Machinist.
Mark Hill.....	39	Hostler.....	2 " ..	516 W. Fayette st..	Tinner.
John B. Bortell.....	26	Fireman ...	3 " ..	1116 E. Pratt street..	Rigger.
Herman Schiminger....	37	" ...	2 " ..	820 W. Saratoga st.	Driver.
J. Thomas Dunn.....	30	" ...	2 " ..	707 W. German st..	Iron Moulder.
Leon A. Talbott.....	28	" ...	2 " ..	427 S. Paca street...	Clerk.
Frank Miller.....	30	" ...	1 year ...	907 Ryan street.....	Iron Moulder.
John Keily.....	42	" ...	1 " ...	306 N. Paca street..	Bricklayer.
John Todd.....	27	" ...	1 " ...	651 W. German st..	Laborer.
Frank P. Larkins.....	29	" ...	1 " ...	38 S. Eutaw street.	Boilermaker's [Helper.

ENGINE COMPANY No. 16—Fire Boat "Cataract."

Located at Commercial wharf.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Permanent Employees.					
Richard A. Lindsay	48	Captain	20 years	919 Stiles street	Paper Hanger.
John Prenger	39	Lieutenant	1 yr. 8 mos	1411 Hull street	Machinist.
John H. Brown	44	First Pilot	6 months	1716 Fairmount ave.	Steamboat Pilot.
William C. Stallings	43	Sec'nd Pilot	1 month	712 S. Burke street	Steamboat Pilot.
Thomas Meushaw	35	First Eng'n	7 years	6 N. Ann street	Machinist.
Herbert W. Pierce	25	Sec'd Eng'n	6 months	2441 S. Bond street	Machinist.
John H. Stutt	48	Third Eng'n	6 "	2212 Gough street	Machinist.
George W. Smith	34	1st Pipem'n	1 yr. 8 mos	1820 E. Lombard st.	Plumber.
Louis P. McKay	35	2d Pipem'n	6 months	1630 E. Monument st.	Clerk.
James H. Hoey	43	1st Stoker	6 "	218 S. Castle street	Stoker.
James Hayden	43	2d Stoker	6 "	35 W. West street	Clerk.
George Horley	35	3d Stoker	2 "	1427 Block street	Stoker.

HOOK AND LADDER COMPANY NO. 1.

Located on Harrison street, near Fayette street.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Permanent Employees.					
J. Albert Cassedy	30	Captain	8 years	177 N. Front street	Advertising Ag't.
August Emrick	29	Lieutenant	8 "	1207 E. Lexington st.	Coal Dealer.
Thomas Strahan	47	Tillerman	11 "	1209 Jackson street	Currier.
George W. Cassedy	33	As't Tiller'n	4 "	177 N. Front street	Paperhanger.
John T. Mulligan	31	Driver	8 "	128 S. Exeter street	Driver.
Cooper Elliott	39	Ladderman	4 "	39 N. Eden street	Driver.
Martin Kirby	46	"	10 "	1133 E. Lombard st.	Trunkmaker.
Z. Taylor Seebreeze	43	"	1½ "	18 S. High street	Driver.
Wm. H. Hartman	35	"	9 "	238 S. Eden street	Plumber.
Thomas Kerr	28	"	2½ "	428 N. Calvert street	Clerk.
Robert Edwards	29	"	1 year	30 Albemarle street	Stereotyper.

HOOK AND LADDER COMPANY NO. 2.

Located on Paca street, near Fayette street.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Permanent Employees.					
Thomas Montgomery...	50	Captain....	21 years ..	119 N. Paca street..	Driver.
William White.....	46	Lieutenant	23 " ..	819 George street...	Carpenter.
Charles Rolf.....	36	Tillerman..	13 " ..	110 N. Paca street..	Boxmaker.
John W. Blake.....	55	As't Tiller'n	21 " ..	212 N. Paca street..	Engineer.
Joseph Lavender.....	44	Driver.....	19 " ..	245 N. Pearl street..	Carpenter.
William Thomas.....	31	Ladderman	4½ " ..	418 W. Lexingt'n st	Wood Turner.
J. Frederick Schafer...	54	"	13½ " ..	13 N. Fremont st..	China Packer.
Robert M. Brown.....	28	"	3½ " ..	212 N. Paca street..	Stove Moulder.
John W. Kelly.....	30	"	5 " ..	1107 Pennsylvania av.	Driver.
William A. Meushaw..	39	"	5 " ..	638 W. Saratoga st .	Mariner.
John Smith.....	24	"	18 days...	835 Columbia av....	Laborer.

HOOK AND LADDER COMPANY No. 3.

Located on Ann street, near Gough street.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Permanent Employees.					
George W. Foxwell	44	Captain	21 years	1911 Bank street	Shipwright.
Louis Laux	35	Tillerman	12 "	211 N. Ann street	Confectioner.
John M. Douns	43	As't Tiller'n	21 "	2021 E Fayette street	Painter.
John Croucher	31	Driver	4 "	1905 Bank street	Hostler.
John McClellan	57	Ladderman	21 "	1720 Fairmount ave	Sailmaker.
George Little	49	"	7 "	261 S. Ann street	Painter.
Peter Nelson	33	"	2 "	14 S. Ann street	Seaman.
Joseph P. Kelley	48	"	9 "	904 Fawn street	Hostler.
Members at Call.					*Occupation.*
John M. Sauer	43	Ladderman	12 years	207 S. Caroline street	Cooper.
John M. Battee	41	"	18 "	1422 E. Lombard st	Bricklayer.
Wilton B. Clark	30	"	5 "	21 S. Bond street	Feed Dealer.
James H. Reilly	39	"	12 "	1626 E. Lombard st	Painter.

HOOK AND LADDER COMPANY No. 4.

Located on Biddle street, near Druid Hill avenue.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Permanent Employees.					
Andrew Bilson	40	Captain	11 years	633 W. Lanvale st.	Plasterer.
Frederick Brannan	42	Tillerman	12 "	110 Pearl street.	Harnessmaker.
John J. Gill	61	As't Tiller'n	31 "	631 W. Fayette st.	Painter.
James B. Kelley	33	Driver	5 "	1307 Division street.	Driver.
Patrick Burns	41	Ladderman	8 "	1223 Penna. avenue.	Laborer.
John Kurne	32	"	5 "	415 W. Hoffman st.	Shoemaker.
Jacob A. Wisong	33	"	1 yr. 9 mos	604 W. Mulberry st.	Painter.
Louis Shipley	31	"	6 months.	1407 Penna. avenue.	Shoemaker.
Members at Call.					
George W. Allen	47	Ladderman	8 years	1116 Woodyear st.	Painter.
Samuel C. Eichelberger.	27	"	1 yr. 8 mos	500 Clinton avenue.	Painter.
Wm. F. Clabaugh	44	"	1 yr. 1 mo	1617 Argyle avenue.	Painter.
George E. Gill	33	"	1 year	1428 Presstman st.	Painter.

HOOK AND LADDER COMPANY NO. 5.

Located on Aisquith street, near Oliver.

Names.	Age.	Position.	Time in Service.	Residence.	Former Occupation.
Permanent Employees.					
Thomas J. Strahler	32	Captain	12 years	1320 Ensor street	Tinner.
George W. Haskell	46	Tillerman	15 "	1318 Holland avenue	Carpenter.
William Quinn	41	As't Tiller'n	5 "	1303 N. Eden street	Driver.
Howard E. Curry	41	Hostler	2 months.	423 Exeter street	Driver.
William T. Johns	37	Ladderman	4 years	1514 Harford avenue	Bricklayer.
William Wiley	49	"	4 "	1318 Harford avenue	Cigarmaker.
William F. Beall	31	"	5 "	921 Hoffman street	Canmaker.
John M. Fredericks	29	"	4 "	1438 Harford avenue	Shoemaker.
Members at Call					*Occupation.*
William Van Rossum	44	Ladderman	8 years	1719 Aisquith street	Driver.
John Sullivan	28	"	1 year	921 Hoffman street	Painter.
Henry Corrigan	29	"	9 months	833 Harford avenue	Shoemaker.
Peter Mullen	32	"	6 "	1332 Hillman street	Painter.

HOOK AND LADDER COMPANY NO. 6.

Located on Hanover street, corner Ostend street.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Permanent Employees.					
William A. Larkins...	28	Captain....	6 years ..	1311 Hanover street..	Carpenter.
Thomas D. O'Keefe....	26	Tillerman..	3 " ..	1343 S. Charles street.	Driver.
Antone Kemp.....	42	As't Tiller'n	3 " ..	34 E. West street..	Driver.
George D. Taylor	58	Driver.....	22 " ..	1626 Hanover street..	Driver.
James Gill.....	46	Ladderman	10 " ..	8 E. West street..	Moulder.
Alfred Squires.....	49	"	19 " ..	1732 Hanover street..	Carpenter.
Frederick G. Beck.....	36	"	2 " ..	1109 S. Sharp street .	Photographer.
Daniel Vogelgesang....	34	"	2 " ..	1027 Compton street..	Canmaker.
Members at Call.					
Albert McKenthum....	26	Ladderman	1 year....	1629 S. Charles street	Hostler.
William Lalotte.....	25	"	8 months.	1128 Hanover street..	Canmaker.
Thomas H. Kelly.....	26	"	7 " .	1310 Hanover street..	Pipemaker.
Louis Matthaei.....	27	"	2 " .	1336 Hanover street .	Cooper.

CHEMICAL ENGINE COMPANIES—ANNEX.

Name.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
William M. Dunn.....	35	Superint'nt	15 years.	722 Gorsuch av., Wav	Plumber.

CHEMICAL ENGINE COMPANY No. 1.

Brunswick Street near Frederick Road.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Edward W. Steinacker	31	Captain....	8 years.	5 Brunswick street.	Lumber Marker.
Antone Yienger.....	27	Houseman .	2 years.	110 Millington avenue	Candy Maker.
Michael Failey.....	28	Hostler	3 years.	7 Brunswick street.	Driver.

CHEMICAL ENGINE COMPANY No. 2.

Mary, near Retreat street.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
James H. Merrick	51	Captain	10 years	2546 Mary street	Car Driver.
James R. White	31	Houseman	4 "	2009 Mary street	Car Driver.
James R Merriken	30	Hostler	4 "	2623 Frances street	Driver.

CHEMICAL ENGINE COMPANY No. 3.

Fifth street, near Charles

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Ralph S. Ferguson	36	Captain	3 years	416 Waverly avenue	Car Driver.
John W. Potts	34	Houseman	4 "	3 Cottage avenue.	Engineer.
James A. Clark	27	Hostler	4 months.	2429 Oak street	Car Driver.

CHEMICAL ENGINE COMPANY No. 4.

Waverly.

Names.	Age.	Position.	Time of Service	Residence.	Former Occupation.
William H. Taylor	50	Captain	10 years	410 Waverly avenue.	Conveyancer.
Edward B. Green	34	Houseman	2 "	1009 York road	Boilermaker.
James Hart	36	Houseman	2 "	122 Old York road	Carpenter.
Owen McGreevey	34	Hostler	4 "	409 Calvin avenue	Driver.

CHEMICAL ENGINE COMPANY No. 5.

Homestead.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Levin H. Burkhardt	24	Captain	14 months.	1252 Barclay street	Carpenter.
John Lachmann	41	Houseman	4 years	32 Jackson street	Butcher.
Robert P. McFarland	25	Hostler	3 "	26 Jackson street	Car Driver.

CHEMICAL ENGINE COMPANY No. 6.

Belair Avenue.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Frank Maher	36	Captain	7 years	41 Belair avenue	Laborer.
Elijah G. Kipp	38	Houseman	3 "	43 " "	Carpenter.
James L. Clarken	33	Hostler	3 "	54 " "	Blacksmith.

CHEMICAL ENGINE COMPANY No. 7.

Roland and Third avenues, Hampden.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
James J. Reynolds	33	Captain	2 years	213 Roland avenue	Car Driver.
Andrew J. McCormick	32	Houseman	3 "	511 Cedar avenue	Car Driver.
Joseph P. Morris	31	Hostler	5 "	215 Roland avenue	Blacksmith.

CHEMICAL ENGINE COMPANY No. 8.

Located at No. 15 Steam Engine Co., Lombard street, between Eutaw and Howard streets.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Permanent Employees.					
John H. Morgan.....	41	Captain....	19 years ..	226 Pearl street.....	Paperhanger.
John T. Harney.....	45	Hostler	5 " ..	143 N. Front street ..	Excavator.
Edward E. Taaber.....	25	Fireman....	1 year ...	608 S. Green street...	Driver.

No. 7 TRUCK.

Waverly.

Name.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
John F. MacKenzie....	44	Hostler	3 years ...	1256 Barclay street ..	Car Driver.

No. 8 TRUCK.

Brunswick Street, near Frederick Road

Name.	Age	Position.	Time of Service.	Residence.	Former Occupation.
John L. Durham	29	Hostler	3 years....	139 Millington avenue	Plumber.

No. 9 TRUCK.

Roland and Third Avenues, Hampden.

Name.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Samuel R. Watkins ...	37	Hostler	1 year	506 Fifth st., Hamp'n	Sail Maker.

FIRE RECORD.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1891.

DATE.	BOX.	HOUR A. M.	HOUR P. M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H. & L. COS.	STYLE OF BUILDING.	REMARKS.
January.										
Thursday 1	236	. . .	5.27½	233 N. Patterson Park avenue.	Chas. Malska . .	Dwelling . .	9, 11	3. . .	Three-story brick.	Loss $2,466.48; recall 7.45 p. m.; Christmas tree taking fire from candles.
Sunday 4	561	4.22	. . .	Hanover and Ostend streets.	George Della. . .	Carriage shed	2, 10, 12 . .	6. . .	One-story frame .	Loss $2,250; recall 6.10 a. m.; unknown.
Sunday 4	142	. . .	2.25½	933 Eastern ave . . .	Leon Kolb . . .	Store & dwelling.	. . . . .	3. . .	Three-story brick.	Loss none; recall 2.37 p.m.; defective flue.
Sunday 4	416	. . .	2.53	S. W. cor. Greene and Fayette streets.	City of Baltimore.	No. 1 Female Pub. Sch'l.	. . . . .	. . .	Three-story brick.	Loss none; recall 3.03 p. m.; janitor starting fire.
Monday 5	24	6.50	. . .	Rear of 309 East st. .	Louis Singer. . .	Tailor shop & dwelling.	. . . . .	1. . .	Two-story brick .	Loss $198.44; recall 8.30 a. m.; defective flue; extinguishers 3, 4, 6 and 9 Engine Cos.
Monday 5	382	. . .	4.25	69 Madison ave. ext. .	N. T. Slee	Dwelling . .	7, 13	4. . .	Two-story frame .	Loss $1,519.50; recall 6.18 p. m.; stove pipe.
				71 Madison ave. ext. . "annex."	Eisenbrandt Bros.	Bicycle shed.	2 Chemical.			
Wednesday 7	51	. . .	10.04	101 E. Pratt street . .	E. H. Josselyn. .	Candy fact'y.	. . . . .	. . .	Five-story brick .	Loss none; recall 10.10 p. m.; light in window.
Thursday 8	151	. . .	9.25	236 S. Dallas street. .	George Dorbet . .	Dwelling . .	. . . . .	3. . .	Three-story brick.	Loss $33.50; recall 10.00 p. m.; overheated stove; extinguisher 5 Engine Co.
Friday 9	385	8.40	. . .	614 Boundary avenue "annex."	Geo. A. Albaugh.	Dwelling . .	3 Chemical.	. . .	Three-story brick.	Loss $83; recall 8.57 a. m.; unknown.

Friday	9	818	9.23	. . .	106 E. Baltimore st. .	Balto. Pub. Co. .	Store & warehouse.	. . . . .	. . .	Five-story brick .	Loss none; recall 9.59 a. m.; lineman adjusting wires.
"Automatic"											
Friday	9	246	. . .	8.28	1227 St. James st. . .	Lizzie Harden . .	Dwelling . .	. . . . .	5. . .	Three-story brick.	Loss $10; recall 8.45 p. m.; children playing with fire.
Friday	9	412	. . .	9.15	29 & 31 W. Baltimore street.	Robt. Moore & Co. and others.	Stores & offices.	8 Chemical.	1, 2 .	Four-story iron front.	Loss $766.82; recall 9.50 p. m.; mice nibbling matches.
Friday	9	159	. . .	9.43	527 S. Broadway. . .	Robert Bennett . Thos. Arthur. Thos. Luby.	Hat store and dwelling.	. . . . .	3. . .	Three-story brick.	Loss $511.91; recall 10.15 p. m.; unknown; extinguishers 5 and 11 Engine Cos.
Friday	9	364	. . .	11.31	414 W. Biddle street .	Mrs. C. Thomas .	Boarding h'se	. . . . .	4. . .	Three-story brick.	Loss $182; recall 11.54 p. m.; explosion of coal oil stove.
Monday	12	349	. . .	7.17	Fifth st. near Charles St. ave., "annex."	None	Unfinished .	. . . . .	. . .	Three-story brick.	Loss none; recall 7.35 p. m.; light from fire to dry plaster.
Monday	12	216	. . .	6.33	1127 Orleans st. . . .	Jesse W. Howard.	Instalm't h'se	6	1. . .	Three-story brick.	Loss $3,100; recall 7.15 p. m.: unknown.
Monday	12	713	. . .	8.18	Hull & Clement sts. .	City of Baltimore.	No. 16 Male Gram. Sch'l	12	6. . .	One-story brick .	Loss $150; recall 9.30 p.m.; defective flue.
Tuesday	13	418	2.32	. . .	408 W. Lexington st .	George Speiss . .	Restaurant & dwelling.	8 Chemical.	2. . .	Three-story brick.	Loss $380.11; recall 3.05 a. m.; gas jet setting fire to woodwork; extinguishers 1 and 7 Engine Cos.
Wednesday	14	312	3.16	. . .	314 College alley. . .	Martha Robinson	Dwelling . .	. . . . .	2. . .	Three-story brick.	Loss $22.92; recall 3.42 a. m.; rats nibbling matches.
Wednesday	14	153	9.04	. . .	1501 Eastern ave. . .	Louis Weinberg .	Eating saloon	. . . . .	3. . .	Two-story brick .	Loss $27.50; recall 9.17 a. m.; explosion of gasoline stove.
Wednesday	14	214	10.44	. . .	1100 E. Baltimore st .	Israel Rosenfeld .	Dwelling . .	3, 4, 6 . . .	1, 3 .	Three-story brick.	Loss $614.25; recall 11.39 a. m.; overheated furnace.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1891.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. Cos.	Style of Building.	Remarks.
Thursday 15	385	10.45	. . .	208 Mt. Royal avenue "annex."	J. Summerfield Bull.	Dwelling . .	13 . . . . . 2, 3, 4, 7 . . Chemical.	4, 9 .	Three-story marble front.	Loss $3,220.21; recall 1.10 p. m.; overheated furnace.
Thursday 15	314	. . .	4.18½	306 W. Franklin st. .	J. T. Snyder & Bros.	Feed store . .	1, 7, 15. . .	2, 4 .	Three-story brick.	Loss $525; recall 5.46 p. m.; unknown.
Thursday 15	394	. . .	4.36½	Hooper's Woods, Woodb'y, "annex."	. . . . .	. . . . .	7	9. . .	. . . . .	Loss none; recall 5.19 p. m.; unknown.
Saturday 17	526	. . .	10.35	126 Perry street . . .	Amelia Newton .	Dwelling . .	2	. . .	Two-story brick .	Loss $20; recall 10.46 p. m.; flame of coal oil lamp.
Saturday 17	519	. . .	11.48	Foot Warner street, Ranstead's Wh'f.	Emanuel Rodman, H. Kohler	Cedar ware factory.	2, 10, 15 . .	6. . .	One-story brick & frame.	Loss $5,041.50; recall 5.28 a. m. 18th; overh'd dry house.
Sunday 18	526	9.30	. . .	210 Camden lane . .	Ignatius Johrufa.	Banana warehouse.	2	. . .	Three-story brick.	Loss $20; recall 9.39 a. m.; gasoline stove taking fire.
Sunday 18	174	. . .	9.02	2013 E. Lombard st., rear.	John Reitz . . .	Stable	5	3. . .	Two-story brick .	Loss $376.54; recall 10.00 p. m.; incendiary.
Monday 19	382	9.59	. . .	2121 Madison avenue, "annex."	Mrs. Emma Cathcart.	Dwelling . .	13 . . . . . 2 Chemical.	. . .	Three-story brick.	Loss none; recall 10.35 a.m.; defective flue.
Monday 19	462	. . .	10.44	Rear of 1850 W. Pratt street.	Henry Beuseler .	Stable	14	2. . .	Two-story frame.	Loss $95; recall 11.31 p. m.; smoking in loft.
Tuesday 20	313	. . .	8.20	423 St. Paul street . .	Mrs. A. Brown .	Boarding h'se	. . . . .	. . .	Three-story brick.	Loss none; recall 8.40 p. m.; misplaced stove pipe.
Wednesday 21	161	8.33	. . .	507 S. Durham street.	Mrs. Dora Bach .	Storehouse & dwelling.	. . . . .	3. . .	Two-story brick .	Loss $41.89; recall 9.00 a. m.; overheated stove.

Friday	23	236	1.13	. . .	Fairmount and Collington avs.	Fairmount Ind. M. E. Chapel.	Chapel . . .	5, 11	3. . .	One-story frame .	Loss $1,199; recall 2.21 a. m.; spontaneous combust'n of greasy rags.
Friday	23	349	. . .	4.34½	2102 Maryland ave., "annex."	F. Albert Kurtz .	Dwelling . .	3 Chemical.	5. . .	Three-story brick.	Loss $445.90; recall 5.14 p.m.; explosion of naptha.
Friday	23	292	. . .	9.40½	1104 York road, "annex."	H. Ottenburg . .	Grocery store & dwelling.	. . . . .	7. . .	Three-story brick.	Loss $35; recall 10.12 p. m.; explosion of coal oil lamp.
Saturday	24	163	12.27	. . .	Rear of 1828 E. Baltimore street.	Rich'd Stump . .	Stable	5	3. . .	Two-story brick .	Loss $205.62; recall 1.-15 a. m.; unknown.
Monday	26	156	12.07	. . .	1725 Thames street. .	None	. . . . .	5	3. . .	Three-story brick.	Loss $56.12; recall 12.-46 a. m.; supposed incendiary.
Monday	26	323	. . .	7.05	1032 Wilmer alley . .	Davies Coleman .	Dwelling . .	. . . . .	4. . .	Three-story brick.	Loss $49.50; recall 7.21 p. m.; falling of coal oil lamp; extinguisher No. 13 Engine Co.
Monday	26	367	. . .	9.26	Rear of Harlem and Myrtle avs.	Smith, Dixon & Co.	Stable and wagon h'se.	7, 8, 13 . . .	4. . .	Two-story brick .	Loss $272.88; recall 11.19 p. m.; unknown.
Monday	26	512	. . .	10.12	7 W. Pratt street. . .	A. Young & Son.	Paint store. .	1, 2, 3, 4, 10, 15.	1, 2 .	Two-story & attic brick, one story in rear.	Loss $9,746.62; recall 1.29 a.m. 27th; overheated stove.
Monday	26	349	. . .	10.48	Head of Oak street, "annex."	L. B. McCabe & Bro.	Locomotive cab.	3, 7 Chem. .	. . .	. . . . .	Loss $75; recall 12.02 a.m. 27th; overheated furnace.
Wednesday	28	394	7.08	. . .	Elm and Fourth sts., "annex."	Wm. Amos . . .	Dwelling . .	7 Chemical.	7. . .	Two-story frame.	Loss $251.25; recall 8.01 a.m.; unknown.
Wednesday	28	251	. . .	6.42	814-16 Ensor street. .	Balto. Waste Co .	Waste factory	6, 7, 9 . . .	5. . .	Three-story brick.	Loss $650; recall 9.38 p. m.; supposed incendiary.
Thursday	29	413	1.32	. . .	115 Park avenue . . .	J. H. Carey . . .	Horseshoeing shop and dwelling.	. . . . .	2. . .	Four-story brick.	Loss $553.75; recall 1.59 a. m.; defective flue; extinguishers 1 and 7 Engine Cos.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1891.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. Cos.	Style of Building.	Remarks.
Friday 30	368	10.37	. . .	302–4–6 Norwood ct. .	Jane Lewis . . . Wm. Walters. Mary Driscoll. Anna Reddick. Alex. Genna. Julia Cooper.	Dwellings . .	8, 13	4. . .	Three-story brick.	Loss $381.50; recall 11.30 a. m.; clothes falling on stove.
Friday 30	216	. . .	8.13	1221 Jefferson street .	Chas. Thompson.	Confectionery store and dwelling.	. . . . .	4. . .	Three-story brick.	Loss $180.19; recall 8.-36 p. m.; explosion of coal oil lamp.
Saturday 31	213	10.55	. . .	N. W. cor. Front and Low streets.	Geigan & Co. . .	Stable	. . . . .	. . .	. . . . .	Loss none; recall 11.00 a. m.; lineman adjusting wires.
Saturday 31	168	. . .	11.28	2026 Aliceanna street.	Louis Katz . . .	Clothing store and storeroom.	5, 11	3. . .	Three-story brick.	Loss $1,400.42; recall 11.43 p. m.; defective flue.
February.										
Sunday 1	416	. . .	9.55	28 S. Greene street . .	Jos. Bergman . .	Dwelling . .	. . . . .	2. . .	Three-story brick.	Loss none; recall 10.00 p.m.; lighted candle falling on paper.
Thursday 5	822	. . .	12.08	23 Hanover street . .	Hodges Bros. . .	Notion warehouse.	. . . . .	. . .	Four-story brick.	Loss none; recall 12.15 p. m.; lineman adjusting wires.
Thursday 5	265	. . .	1.30	1631 N. Broadway . .	Dr. S. Martinet .	Dwelling . .	5, 6 Chem. .	5. . .	Three-story brick.	Loss $240.25; recall 2.-07 p.m.; defect. flue.
Thursday 5	68	. . .	5.46	Foot of Johnson st. .	Fred. Linthicum.	Boat & storehouse.	12	6. . .	One-story frame .	Loss $140; recall 6.27 p. m.; smoking in room.
Friday 6	171	2.03	. . .	2012 Canton ave . . .	John Bauer . . .	Bakery and dwelling.	. . . . .	3. . .	Three-story brick.	Loss $188.16; recall 2.-32 a. m.; heat from bake oven; extinguishers 5 and 11 Engine Cos.

Saturday	7	516	. . .	2.45	Ostend near Warner street.	Hannis Dist. Co..	Distillery . .	. . . . .	. . .	Four-story stone.	Loss none; recall 2.51 p. m.; lineman adjusting wires.
Sunday	8	184	. . .	2.31	Boston street near Harris' creek.	Geo. Chipman's Sons.	Chair factory.	. . . . .	3. . .	Five-story brick .	Loss $20; recall 3.05 p. m.; spontaneous combustion of lamp black.
Sunday	8	7	. . .	9.05	409 Wehage street . .	Rerzer Akers . .	Dwelling . .	12.	6. . .	Two-story brick .	Loss $97.50; recall 9.30 p. m.; unknown.
Monday	9	163	8.25	. . .	Washington near Fayette street.	City of Baltimore.	No. 17 Female Grammar School.	. . . . .	3. . .	Three-story brick.	Loss $10; recall 8.55 a. m.; overheated stove pipe.
Monday	9	492	. . .	11.11	72 Garrison lane, "annex."	Charles Haas . .	Smoke house.	14 . . . . . 1 Chemical.	8. . .	Two-story brick .	Loss $316.55; recall 1.-05 a. m. 10th; meat dropping in fire.
Wednesday	11	713	. . .	12.39	1414 E. Fort avenue .	Dr. Jas. Cooper .	Office and dwelling.	12.	6. . .	Two-story brick .	Loss $414.56; recall 1.-23 p. m.; overheated stove.
Thursday 2d alarm.	12	135 . .	1.25½ 1.05	. . . . . .	Philpot, Wills and Black streets.	Jas. J. Lacy & Co.	Industrial Iron Works.	1, 2, 3, 4, 5, 6, 9, 11, 15	1,2,3,6	Two-story brick & frame.	Loss $6,223.89; recall 3.44 a. m.; hot flasks taking fire.
Thursday	12	161	11.45	. . .	Ann st., near Canton ave., rear.	City of Baltimore.	No. 6 Primary School.	. . . . .	3. . .	One-story frame .	Loss $25; recall 11.59 a. m ; unknown.
Saturday	14	56	. . .	10.31	125 Winter alley. . .	Ernest Fieman .	Dwelling . .	. . . . .	6. . .	Two-story brick .	Loss $20; recall 10.46 p.m.; overh'd stove.
Sunday 2d alarm. 3d alarm.	15	427	1.56 1.59 2.01	. . . .	Diamond alley near Lexington street.	Jacob C. Shafer & Co.	Pack'g house, storeh'se & stable.	1, 2, 3, 4, 6, 8, 10, 13, 15.	1,2,4,6	Two & three-story brick.	Loss $6,484.69; recall 6.15 a. m.; unknown.
Sunday	15	384	6.25	. . .	135 Madison ave. ext., "annex."	Mrs. H. Brooks .	Dwelling . .	2, 3 Chem. .	4. . .	Three-story brick.	Loss $178.78; recall 7.-15 a. m.; unknown.
Sunday	15	62	. . .	11.00	1118 S. Charles street.	John Engel . . . St. Mary's Star of the Sea Lyceum	Toy&not'n st. Meeting rooms.	12.	6. . .	Three-story brick.	Loss $643.75; recall 11.47 p. m.; unknown.
Wednesday	18	521	1.32	. . .	Pier 4 Light St. wharf.	Md. Steamb't Co.	Steamboat pier.	. . . . .	1. . .	One-story frame .	Loss $16.76; recall 1.56 a.m.; stove pipe setting fire to woodw'k.
Thursday	19	345	1.12	. . .	1915 Charles Street ave., "annex."	England, Fairall & Co.	Dry goods & notion st'e.	7 . . . . . 3, 4 Chem. .	4. . .	Three-story brick.	Loss $2,038.18; recall 4.14 a. m.; unknown.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1891.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. Cos.	Style of Building.	Remarks.
Thursday 19	237	1.37	. . .	2025 Orleans street. .	Geo. F. Martin .	Grocery store & dwelling.	9	3. . .	Three-story brick.	Loss $599.79; recall 2.-16 a. m.; unknown.
Thursday 19	145	. . .	3.38	Rear 1140–42 Watson street.	. . . . .	Dwellings . .	3	3. . .	Outbuildings and fences.	Loss $55; recall 3.55 p. m.; burning brush.
Thursday 19	341	. . .	3.59½	18 E. Preston street .	G. T. Hopkins . .	Dwelling . .	. . . . .	4. . .	Three-story brick.	Loss none; recall 4.38 p. m.; burning out foul chimney.
Friday 20	145	7.34	. . .	16 S. Eden street. . .	Wm. Baker . . .	Dwelling . .	. . . . .	3. . .	Three-story brick.	Loss $15; recall 7.45 a. m.; clothing taking fire from candle.
Saturday 21	361	. . .	5.31	662 W. Saratoga st. .	Geo. Pollock. . .	Dwelling . .	. . . . .	2. . .	Three-story brick.	Loss $802.05; recall 6.00 p. m.; gas jet setting fire to woodwork.
Sunday 22	452	3.16	. . .	Lexington street ext., "annex."	George Schmidt .	Slaughter h'se and stable.	8, 14 . . . . 1 Chemical.	. . .	Two-story frame.	Loss $1,890.42; recall 5.37 a. m.; unknown.
Tuesday 24	429	. . .	4.19	1307 Hollins street. .	Wm. Atkinson. .	Dwelling . .	8, 13, 14 . .	2. . .	Three-story brick.	Loss $370.13; recall 5.-23 p. m.; children playing with matches.
Wednesday 25	516	. . .	10.51	Ostend near Warner street. "Instantaneous."	Hannis Dist. Co..	Distillery . .	. . . . .	6. . .	Four-story stone.	Loss none; recall 11.-06 p. m.; falling of coal oil lamp.
Thursday 26 "Automatic"	863	4.53	. . .	9 and 11 W. Pratt st .	F. X. Ganter . .	Show case & frame fact'y	. . . . .	. . .	Four-story brick.	Loss none; recall none accidental alarm; no cause.
Thursday 26	432	5.05	. . .	105 S. Poppleton st. .	Isaac Shipley . .	Dwelling . .	. . . . .	4. . .	Three-story brick.	Loss $170; recall 5.59 a. m.; unknown; extinguishers 8, 10 and 14 Engine Cos.

Friday	27	257	8.05	. . .	1005 E. Hoffman st. .	Wm. Blakely . .	Dwelling		5. . .	Two-story brick .	Loss none; recall 8.19 a.m.; defective flue.
Saturday	28	561	1.33	. . .	Foot of Howard st. .	Nicholas Hartman.	Storage shed		6. . .	One-story frame .	Loss $250; recall 2.10 a. m.; incendiary.
Saturday	28	68	6.40	. . .	Foot of Marshall ave.	John Hoffman. .	Brick kiln		6. . .	Brick kiln	Loss $75; recall 7.25 a. m.; overheated bricks setting roof on fire.
Saturday	28	512	. . .	11.10	3 Balderston street .	H. S. Hoggson. .	Japanning works.	8 Chemical.	1, 2 .	Three-story brick.	Loss $85.12; recall 11.-56 p. m.; overheated stove.
March.											
Monday	2	314	. . .	1.34	317 N. Howard street.	Sumner & Thompson.	Hat factory		2. . .	Five-story brick .	Loss $55; recall 1.44 p. m.; burning sulphur in bleach h'se.
Tuesday	3	412	4.45	. . .	10 Hanover street . .	G. B. Foster & Co.	Wholesale notions.		2. . .	Four-story brick.	Loss $70.85; recall 5.00 a. m.; soot in chimney.
Tuesday	3	349	10.54½	. . .	108 W. Fifth St., "annex."	Stephen Martin .	Dwelling . .	3, 4 Chem. .	5. . .	Three-story brick.	Loss $193.48; recall 11.-55 a. m.; children playing with fire in cellar.
Thursday	5	283	3.47	. . .	46 & 48 Harford road.	J. P. Romoser,	Slaughter h'se	6, 9	5, 7 .	Two-story frame .	Loss $3,604.02; recall
Chem. 3 call		. .	3.59	. . .	"annex."	E. Liphand, A. Breidenstein	and stables.	3,4,5,6 Chem			7.52 a.m.; unknown.
Thursday	5	24	. . .	12.46	469 N. Gay street. . .	Importers & Traders Tea Co.	Tea and coffee store.	3, 4, 6 . . .	1, 5 .	Three-story brick.	Loss $1,063.84; recall 2.38 p. m.; overheated pipe from furnace.
Thursday	5	71	. . .	3.24	Foot Aaron st., Locust Point.	National Dredging Co.	Dredg'g scow.		6. . .	Dredging scow. .	Loss $75; recall 3.45 p. m.; overheated stove.
Monday	9	15	5.52½	. . .	423 S. Broadway . . .	H. Hubers. . . .	Grocery store & dwelling.		3. . .	Three-story brick.	Loss $56; recall 6.08 a. m.; gas jet setting fire to curtain.
Tuesday	10	26	12.17	. . .	1404 E. Madison st. .	M. J. Madison & others.	Dwelling . .	9	3. . .	Three-story brick.	Loss $44.50; recall 12.-41 a. m.; overheated stove.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1891.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. Cos.	Style of Building.	Remarks.
Tuesday 10	416	. . .	7.27½	634 German street . .	M. Richardson. .	Cigar box factory.	8 Chemical.	2. . .	Two-story brick .	Loss $290.88; recall 8.-20 p. m.; overheated stove.
Wednesday 11	363	7.35½	. . .	818 George street. . .	Charles Lober . .	Dwelling		4. . .	Two-story brick .	Loss $35.19; recall 7.47 a.m.; defective flue.
Thursday 12	471	. . .	10.52	1708 Pierce street . .	Wm. Johnson . .	Grocery store & dwelling.	8, 14	4. . .	Two-story brick .	Loss $470.16; recall 11.55 p. m.; overheated stove.
Sunday 15	525	. . .	2.38	6 W. Pratt street. . .	Charles Schwartz.	Shoe store and dwelling.	2, 4 . . . . 8 Chemical.	2, 6 .	Three-story brick.	Loss $4,218.71; recall 3.40 p. m.; overheated stove.
Sunday 15	42	. . .	10.13½	409 W. Baltimore st. .	Whitney, Carey & Co.	Straw hat factory.	. . . . .	2. . .	Four-story brick.	Loss none; recall 10.-19¼ p. m.; burning chimney.
Monday 16	542	. . .	8.52	Foot Howard street .	G. S. McCullough.	Kindl'g wood mill.	. . . . .	6. . .	One-story frame .	Loss $35; recall 9.35 p. m.; friction of machinery.
Monday 16	531	. . .	9.08	516 Columbia ave. . .	Mrs. A. Hammer.	Notion store & dwelling.	. . . . .	4. . .	Three-story brick.	Loss $174; recall 9.20 p.m.; gas jet setting fire to goods; extinguisher 15 Engine Co.
Tuesday 17	365	9.59	. . .	1107 Wilmer alley . .	Ellen Simms and others.	Dwelling		4. . .	Three-story brick.	Loss $15; recall 10.16 a.m.; children playing with matches.
Tuesday 17	56	. . .	2.12	154 W. Hamburg st. .	Henry Cochran and others.	Dwelling . .	2, 12	6. . .	Three-story brick.	Loss $536.32; recall 3.-07 p. m.; children playing with fire; three colored children suffocated.

Wednesday	18	423	6.50	. . .	754 W. Baltimore st. .	John H. Stalfort.	Carriage factory and dwelling.	1, 8	4. . .	Three-story brick.	Loss $1,150; recall 7.29 a. m.; defective hearth.
Thursday	19	325	. . .	1.00	1224 Madison ave. . .	Wm. T. Dixon. .	Dwelling . .	. . . . .	4. . .	Three-story brick.	Loss none; recall 1.25 p. m.; burning chimney.
Friday	20	235	2.20	. . .	2228–30 E. Monument street.	John Reniecke. . Peter Hohman.	Dwellings . .	5, 6, 9 . . .	3. . .	Two-story brick .	Loss $552.36; recall 3.-21 a.m.; incendiary.
Friday	20	42	9.50	. . .	205–7 N. Paca street .	Griffith, Turner & Co.	Agricultural warehouse.	1, 2, 7, 15. . 8 Chemical.	1, 4 .	Four-story double brick.	Loss $4,278.28; recall 11.45 a.m.; boy dropping lighted candle.
Friday	20	452	11.15	. . .	Lexington and Calhoun streets.	Aged Women's Home.	Aged Women's Home.	. . . . .	. . .	Four-story brick.	Loss $35; recall 11.32 a.m.; old lady catching fire from oil stove; Mrs. Maria Todd was burned and subsequently died.
Saturday	21	294	. . .	4.12	Jenkins' lane, near North av., "annex"	Fred. Walpert . .	Husk factory & storeh'se.	6, 7, 9, 13. .	1, 5 .	One-story frame and stone.	Loss $9,166.41; recall 9.15 a. m. 22d; friction of machinery.
2d alarm.		. . . . .		4.20							
1 H.&L. call		. . . . .		5.34							
13 Eng. call		. . . . .		8.49							
Monday	23	163	. . .	7.40	18 S. Wolfe street . .	Antone Voigt . .	Dwelling		3. . .	Three-story brick.	Loss $82.22; recall 8.05 p.m.; defective flue; extinguisher 5 Engine Co.
Tuesday	24	159	11.27	. . .	1622 Canton avenue .	Hirsch Schenthal	Shoe store & dwelling.	. . . . .	3. . .	Three-story brick.	Loss $179; recall 11.40 a.m.; defective flue; ext. 5 Engine Co.
Tuesday	24	391	. . .	12.10	117 Mary street, "annex."	Wm. L. Weik . .	Stable	2 Chemical.	. . .	Two-story brick .	Loss $40; recall 12.50 p. m.; incendiary.
Wednesday	25	3	8.23	. . .	Calvert, Lexington, North & Fayette sts.	United States of America.	Post Office & U. S. Courthouse.	4.	1. . .	Five-story granite	Loss $125; recall 8.55 a. m.; unknown.
Wednesday	25	359	9.24	. . .	309 W. Hoffman st. .	Mrs. Georgia H. Schley.	Dwelling . .	. . . . .	4. . .	Three-story brick.	Loss $36.76; recall 9.47 a.m.; defective flue.
Wednesday	25	25	. . .	6.21	1007 Greenmount ave.	Mrs. Sarah Hubbard.	Dwelling . .	. . . . .	5. . .	Three-story brick.	Loss $135; recall 6.32 p. m.; gas jet setting fire to curtain.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1891.

Date.		Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. Co.	Style of Building.	Remarks.
Friday	27	72	. . .	12.30	Donaldson and Covington streets.	Atlantic Fertilizer Works, Joshua Horner & Bro.	Fertilizer fac. rend'g h'se & benzine t'ks.	2, 10, 12 . .	6. . .	One-story brick in centre of two-st'y b'k & frame.	Loss $2,405.52; recall 2.32 p.m.; unknown
2d alarm.			. . .	12.50							
Friday	27	56	. . .	4.39	929 Plum alley. . . .	Annie M. Gray and others.	Tenement house.	. . . . .	6. . .	Two-story brick .	Loss $5; recall 4.53 p.m.; overheated stove pipe.
Sunday	29	42	2.00	. . .	118 & 120 N. Paca st., rear on Diamond st.	Chas. Rohr Packing Co.	Meat packing and storage warehouse.	1, 2, 3, 4, 5, 6, 7, 8, 10, 12, 13, 15.	1,2,4,6	Three-story brick.	Loss $21,458.03; recall 7.58 a.m.; unknown
2d alarm.			2.01½	. . .							
3d alarm.			2.03	. . .							
Sunday	29	426	7.23	. . .	1312 W. Baltimore st.	George Bentz . .	Livery & hiring stables.	8, 10, 14 . .	2, 4 .	Two-story brick .	Loss $770.15; recall 9.35 a. m.; defective flue set'g fire to hay.
2d alarm.			7.25	. . .							
Sunday	29	31	. . .	4.44	North and Pleasant streets	Elias Schmidt & Co.	Wholesale drug store.	4.	. . .	Three-story brick.	Loss none; recall 4.51 p.m.; boy throwing match in empty rubber cement barrel, causing explosion.
Monday	30	422	4.30	. . .	304 E. Baltimore st. .	John P. Lyons. . James Young .	Eating saloon Printing establishm't.	3, 4, 6, 15. . 8 Chemical.	1, 2 .	Four-story brick.	Loss $8,329.11; recall 6.40 a. m.; gas jet setting fire to partition.
Monday	30	147	. . .	8.45	Canton ave., Eden st., Aliceanna st. and Central ave.	Edwin Bennett .	Pottery and earthenw'e factory.	3, 5	3. . .	Three-story brick and frame.	Loss $140; recall 9.30 p. m.; overheated furnace under kiln.
April.											
Thursday	2	367	. . .	4.16	812 Harlem ave . . .	Jas. E. Connelly.	Dwelling . .	. . . . .	4. . .	Three-story brick.	Loss $188.85; recall 4.35 p. m.; lighted lamp setting fire to clothing.
Thursday	2	254	. . .	4.42½	1800 Barclay street. .	Mrs. Elizabeth Powers.	Dwelling . .	. . . . .	5. . .	Three-story brick.	Loss $19.81; recall 5.02 p.m.; children playing with fire.

Friday	3	171	. . .	7.30	N. E. cor. Chester st. & Eastern ave.	Wolf Bros. . . .	Drug store & dwelling.	11	3. . .	Three-story brick.	Loss $524.65; recall 8.-01 p. m.; defective flue.
Saturday	4	153	6.21	. . .	S. E. cor. Caroline st. & Eastern ave.	Lewis Weinberg .	Eating & lodging house.	5, 11	3. . .	Two-story & attic brick.	Loss $979.55; recall 7.-40 a. m.; explosion of gasoline stove. Lewis Weinburg burned to death.
Sunday	5	362	11.08	. . .	732 Chestnut alley . .	Chas. Fountain .	Dwelling . .	. . . . .	4. . .	Three-story brick.	Loss none; recall 11.-25 a. m.; burning chimney.
Sunday 2d alarm.	5	418 . .	. . . . . .	8.57 9.26	231 N. Howard st. . .	John J. Faupel .	Art store, pict'e f'me fac. & dwelling.	1, 2, 3, 4, 6, 7, 8, 10, 15	1,2,4,6	Four-story brick.	Loss $12,745.62; recall 1.19 a. m. 6th; spontaneous combustion
Tuesday	7	3	. . .	2.49½	210 N. Holliday st. . .	Wm. J. Clark & Co. Wm. J. Travers & Co., Holmes Silver Plat'g Co.	Manf. hyd'ts, Patt'n mak'g, Silver plating works.	4, 6	1. . .	Three-story brick.	Loss $304.52; recall 3.-33 p.m.; sparks from chimney setting fire to roof.
Tuesday	7	3	. . .	4.40	210 N. Holliday st. . .	Same as above. .	Same as above	. . . . .	. . .	Three-story brick.	Loss none; recall 4.49 p. m.; smoke blowing through building.
Tuesday	7	233	. . .	5.52	630 Potomac street. .	Thomas Jones . .	Dwelling . .	. . . . .	. . .	Two-story brick .	Loss $20; recall 6.13 p.m.; children playing with matches; extinguisher 9 Engine Co.
Tuesday	7	422	. . .	6.33	231, 233, 235, 237 E. Baltimore street.	American Newspaper & Printing Estab'm't.	Newspaper & job printing office.	. . . . .	1. . .	Five-story iron front.	Loss $25; recall 6.47 p. m.; escaping gas taking fire.
Tuesday	7	234	. . .	7.14½	212 N. Wolfe street. .	John Luntz . . .	Dwelling . .	. . . . .	3. . .	Three-story brick.	Loss $185; recall 7.31 p. m.; unknown.
Wednesday	8	364	. . .	8.07	415 Orchard street . .	John Joyce and others.	Dwelling . .	7	4. . .	Three-story brick.	Loss $209.22; recall 9.00 p. m.; incendiary.
Thursday	9	453	4.14	. . .	911 & 913 Norris alley.	John Jones . . .	Junk shop & dwelling.	8, 13	4. . .	Two-story brick .	Loss $344.80; recall 5.-50 a. m.; spontaneous combustion.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1891.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. Cos.	Style of Building.	Remarks.
Saturday 11	525	. . .	6.29½	S. W. cor. Pratt and Hanover streets.	J. F. Darrow. . .	Clarendon hotel.	2 . . . . . 8 Chemical.	2. . .	Six-story brick. .	Loss $500; recall 7.35 p. m.; overheated furnace pipe.
Sunday 12	24	2.46	. . .	1006 Low street. . . .	Michael Kelly . .	Grocery store & dwelling.	6	1. . .	Two-story brick .	Loss $456.42; recall 3.-27 a. m.; overheated stove.
Monday 13	232	12.39	. . .	21 N. Bond street . .	Balto. University Hospital.	Hospital . . .	3, 5	1, 3 .	One-story frame .	Loss $367.50; recall 1.-33 a. m.; spontaneous combustion.
Tuesday 14	12	7.03	. . .	S. W. cor. Frederick & Baltimore sts.	Jas. W. Bangert. various Lodges.	1st floor unoc. 2d danc. acad. 3d lodge r'ms.	3, 4, 15. . . 8 Chemical.	1, 2 .	Four-story brick.	Loss $1,180.06; recall 9.00 a.m.; unknown
Thursday 16	526	11.18	. . .	203 & 205 W. Pratt st.	PhilipLinderking	Stove store. .	2, 15 . . . . 8 Chemical.	2. . .	Three-story brick.	Loss $206.73; recall 11.47 a. m.; vapor tak'g fire from light.
Thursday 16	214	. . .	1.29¾	915 E. Fayette st. . .	John Donohue. .	Boarding h'se	. . . . .	1. . .	Four-story brick.	Loss $41.50; recall 1.46 p. m.; spark from chimney entering open window.
Friday 17	357	. . .	10.57½	Park ave. and Preston street.	Ryan & McDonald	Machinery shed.	7, 8, 13. . . 3 Chemical.	4. . .	One-story frame .	Loss $553.85; recall 12.00 p. m.; heat from boiler.
Sunday 19	422	1.24	. . .	36 S. Holliday st. . .	John Kerlinger & others.	Saloon and offices.	3, 4, 6 . . .	1. . .	Four-story brick.	Loss $1,824.67; recall 2.35 a.m.; heat from furnace in kitchen.
Tuesday 21	321	. . .	9.40	505 W. Franklin st. .	Ament Dawson & Co.	Feed and produce commission st'e.	1, 7	4. . .	Three-story brick.	Loss $850; recall 10.48 p. m.; unknown.
Wednesday 22	321	. . .	12.56	505 W. Franklin st. .	Ament Dawson & Co.	Feed and produce commission st'e.	1, 7 . . . . 8 Chemical.	4. . .	Three-story brick.	Loss $1,009; recall 2.-44 p. m.; supposed spontaneous combustion.

Wednesday	22	218	. . .	9.24	6 S. Front street . . .	Frank Wagner .	Dwelling	1. . .	Three-story brick.	Loss $22.70; recall 9.35 p.m.; lighted match thrown in pile of rags.
Thursday	23	451	1.18	. . .	Carlton st., bet. Edmondson & Harlem avenues.	Keen & Hagerty.	Stable & carriage house.	8, 13	4. . .	Two-story brick .	Loss $701.53; recall 2.-54 a. m.; spontaneous combustion of damp hay.
Friday "Automatic"	24	838	11.47	. . .	Mill street & Eastern avenue.	R. T. Smith Can Co.	Can factory			Two-story brick .	Loss none; recall 12.01 p. m.; accidental alarm, no cause.
Saturday	25	524	11.17	. . .	8 W. Conway street .	Henry Neany . .	Dwelling	6. . .	Three-story brick.	Loss $15; recall 11.30 a. m.; sparks from chimney igniting shingle roof; extinguisher 2 Engine Co.
Saturday	25	523	. . .	3.16	430 S. Eutaw street .	John Brauer and others.	Cigar store & dwelling.	. . . . .		Three-story brick.	Loss $32.50; recall 3.-30 p.m.; soot falling down chimney; extinguisher 2 Engine Co.
Saturday	25	183	. . .	8.48	2717 Hudson street. .	Anton Burock. .	Dwelling	3. . .	Three-story brick.	Loss $163; recall 9.12 p. m.; explosion of coal oil lamp; extinguisher 11 Engine Co.
Sunday	26	234	. . .	7.50½	Rear of 1723 Jefferson street.	George Gipe . . .	Bakery and dwelling.	9		Three-story brick.	Loss $7.50; recall 8.07 p. m.; overheated stove.
Tuesday	28	412	. . .	11.53½	54 W. Baltimore st. .	E. G. Clark . . .	Cigar and tobacco store.	. . . . .	2. . .	Three-story brick.	Loss $30.50; recall 12.-15 a. m. 29th; unknown; extinguisher 15 Engine Co.
Wednesday	29	15	8.50	. . .	1615 Eastern ave. . .	Martin Lentz . .	Furniture st'e & tenement house.	. . . . .	3. . .	Three-story brick.	Loss $55; recall 9.11 a. m.; overheated stove; extinguisher 5 Engine Co.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. Cos.	Style of Building.	Remarks.
Wednesday 29	485	. . .	12.28	5 & 7 Eschrick lane, "annex."	James Plate . . . Chaney Dorsey.	Dwellings . .	14 . . . . . 1 Chemical.	8. . .	Two-story frame.	Loss $410; recall 2.18 p. m.; overheated stove.
Wednesday 29	232	. . .	1.51½	1411 E. Fayette st. . .	Jacob Wise . . .	Dwelling . .	. . . . .	3. . .	Two-story brick .	Loss $48.50; recall 2.12 p. m.; sparks from chimney.
Thursday 30	215	9.07	. . .	209 Lewis street . . .	Sophia Myers . .	Dwelling . .	. . . . .	1. . .	Three-story brick.	Loss none; recall 9.35 a. m.; sparks from chimney.
Thursday 30	432	. . .	8.08	835 W. Pratt street . .	Francis Winter .	Blacksmith shop.	. . . . .	. . .	One-story frame .	Loss none; recall 8.15 p. m.; light from fire to heat tires.
Thursday 30	326	. . .	10.29	1714 Etting street . .	George Johnston.	Dwelling . .	. . . . .	4. . .	Three-story brick.	Loss $32.50; recall 10.-44 p. m.; clothes blowing against lig't'd coal oil lamp.
May.										
Friday 1	54	12.35	. . .	23 W. Hughes st. . .	C. F. Krause & Son.	Undertakers' supply fact.	2	6. . .	Three-story brick.	Loss $171.16; recall 1.-19 a. m.; overheated stove.
Friday 1	157	5.06	. . .	833 S. Bond street . .	Ignatius Kofanski and others.	Tenement house.	5	3. . .	Two-story frame.	Loss $293.33; recall 5.-57 a. m.; overheated stove.
Friday 1	426	. . .	11.00	1100 W. Baltimore st.	Wm. Bessenger .	Dwelling . .	14	. . .	Three-story brick.	Loss $20; recall 11.12 p. m.; gas jet setting fire to woodwork.
Friday 1	475	. . .	11.07	1708 Edmondson ave.	Philip Link . . .	Dwelling . .	. . . . .	4. . .	Three-story brick.	Loss $61; recall 11.25 p.m.; sparks falling from stove on floor.
Saturday 2	128	. . .	1.33¾	S. W. cor. Frederick & Second streets.	Wm. E. Hooper & Sons.	Storage warehouse.	. . . . .	1. . .	Four-story brick.	Loss none; recall 1.50 p. m.; soot in chimney taking fire.

Saturday	2	34	. . .	6.41½	1015 N. Charles st. . .	F. S. Johnston. .	Dwelling . .	. . . . .	4. . .	Four-story brick.	Loss $153.47; recall 6.-53 p. m.; uncovered light setting fire to lambrequins.
Sunday	3	3	3.32	. . .	200, 202 & 204 N. Holliday street.	Murrill & Keyser. Stiefel, Juhn & Cohen.	Machine shop Manuf'y underwear.	4	1. . .	Five-story brick .	Loss $158.10; recall 4.-07 a. m.; fire dropping behind workbench.
Sunday	3	624	4.41	. . .	1014 S. Howard st. . .	James T. Wesley and others.	Stable	2, 10	6. . .	Two-story frame.	Loss $325; recall 5.35 a. m.; sparks from passing locomotive.
Sunday	3	27	. . .	10.32	823 McDonogh st. . .	Mrs. Mary Cole .	Dwelling . .	. . . . .	. . .	Three-story brick.	Loss $5; recall 10.53 p. m.; unknown; ext. 9 Engine Co.
Monday	4	156	7.45	. . .	1613 Lancaster st. . .	. . . . .	Bakery . . .	. . . . .	. . .	. . . . .	Loss none; recall 7.51 a. m.; smoke from bake house.
Thursday	7	526	4.46	. . .	212 W. Camden st . .	Wm. O. Ewing & others.	Grocery store and tenem't house.	2	2. . .	Four-story brick.	Loss $712.70; recall 5.-30 a. m.; mice nibbling matches.
Friday	8	248	. . .	7.54½	Holliday st. near Centre st., in the rear.	The Henry McShane Co.	Iron foundry.	. . . . .	1. . .	Two-story frame .	Loss $50; recall 8.31 p. m.; overheated cupola.
Saturday	9	271	. . .	7.52	1035 N. Durham st. .	Annie McGinnis.	Dwelling . .	9	5. . .	Three-story brick.	Loss $120.00; recall 8.-25 p. m.; explosion of coal oil lamp.
Sunday	10	391	. . .	11.30	2705 Pennsylvania ave., "annex."	Henry T. Beck . .	Cigar store & dwelling.	13 . . . . . 2, 7 Chem. .	4. . .	Three-story frame	Loss $795; recall 1.29 a. m. 11th; unknown.
Monday	11	156	10.57	. . .	719 S. Regester st. . .	Wm. Myers . . .	Dwelling . .	. . . . .	3. . .	Three-story brick.	Loss $35; recall 11.09 a.m.; defective flue.
Monday	11	51	11.41	. . .	. . . . .	. . . . .	. . . . .	. . . . .	. . .	. . . . .	Loss none; recall 11.47 a. m.; accidental alarm caused by man painting box.
Tuesday	12	713	. . .	5.55	1446 Decatur st. . . .	James Fridel. . .	Dwelling . .	. . . . .	. . .	One-story frame in rear of two-story brick.	Loss $10; recall 6.05 p. m.; leaky gasoline stove; extinguisher 12 Engine Co.

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Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. Cos.	Style of Building.	Remarks.
Tuesday 12	54	. . .	7.28	Hughes & Montgomery sts.	City of Baltimore.	Southern Police Station,	. . . . .	. . .	Two-story brick .	Loss $50; recall 7.40 p. m.; electric light wire crossing telephone wire; extinguisher 2 Engine Co.
Thursday 14	526	4.16	. . .	131 W. Camden st . .	Casper Wolf and others.	Tenement house.	8 Chemical.	2. . .	Three-story brick.	Loss $220; recall 4.56 a.m.; woman filling tank of lighted coal oil stove; extinguisher 2 Eng. Co.
Saturday 16	314	1.19	. . .	Rear of 306 W. Franklin st.	Snyder & Bro . .	Stable	7	2. . .	Three-story brick.	Loss $5.00; recall 1.36 a. m.; unknown.
Saturday 16	394	. . .	1.04½	236 and 238 Gorsuch ave., "annex."	Thomas Steffie. . Geo. Gorsuch.	Dwellings . .	3, 4, 7 Chem.	7, 9 .	Three-story frame	Loss $541.68; recall 3.53 p. m.; defective flue.
Sunday 17	143	3.10	. . .	114, 116 & 118 S. Eden	John W. Cruett .	Steam bakery	3, 4, 5, 9, 11.	1, 3 .	Two-story brick .	Loss $8,118.07; recall
2d alarm.	. .	3.15	. . .	street.			6 Chemical.			5.59 a. m.; unknown.
Tuesday 19	163	1.56	. . .	Rear of 1900 E. Fayette st.	PeterUttenreither	Stable	5	3. . .	One-story brick .	Loss $256.95; recall 2.41 a. m.; unknown.
Wednesday 21	165	. . .	3.35	4 Smith's court . . .	S. Bush	Stable	. . . . .	3. . .	Two-story brick .	Loss $25; recall 3.59½ p.m.; children playing with fire; ext. 5 and 9 Engine Cos.
Friday 22	48	1.36	. . .	10 & 12 Garrison lane, "annex."	Adam Moore. . . Chas. Maemple. Chas. Grucke .	Dwelling . . Pickl'g h'se stable.	8, 10, 14 . . 1, 2 Chem. .	2, 8 .	Two-story brick . Two-story frame. One-story frame .	Loss $1,306.56; recall 4.40 a. m.; overheated stove.
Friday 22	281	10.30	. . .	66 Belair avenue, "annex."	Joseph Nowack .	Dwelling . .	6 Chemical.	. . .	One-story frame .	Loss $5; recall 10.50 a. m.; leaky gasoline stove.

Friday "Automatic"	22	828	10.34½	. . .	32 Hopkins place . .	Henry Sonneborn & Co.	Wholesale cloth&trimming house.	. . . . .	2. . .	Five-story brick .	Loss $50; recall 11.11 a. m.; leaking gas taking fire from jet.
Friday	22	562	. . .	6.47	Rear of 7 W. Randall street.	John Roover. . .	Grocery store & dwelling.	. . . . .	6. . .	One-story frame .	Loss $10; recall 6.59½ p. m.; explosion of gasoline stove.
Saturday	23	292	9.25	. . .	1041 York road, "annex."	Mrs. C. Smith . .	Dwelling . .	4 Chemical.	7. . .	Two-story frame.	Loss $58.50; recall 10.-00 a. m.; overheated stove pipe.
Saturday	23	535	. . .	3.46	Columbia ave., near B. & O. R. R.	Rose, Whitehurst & Co.	Lamp-black factory.	10	6. . .	One-story brick .	Loss $500; recall 5.43 p. m.; bursting of kiln.
Saturday	23	623	. . .	10.36	6 E. Williamson st. .	Wm. Stewart . .	Dwelling . .	2.	6. . .	Two-story brick .	Loss $522.45; recall 11.17 p. m.; explosion of coal oil lamp.
Wednesday	27	56	9.20	. . .	1032 Leadenhall st. . .	Heny Damen and others.	Dwelling . .	2.	6. . .	Three-story brick.	Loss $273.50; recall 9.45 a.m.; explosion of tank of gasoline stove.
Wednesday	27	322	. . .	6.39½	415 N. Eutaw st . . .	John Salmon . .	Notion & h'se furnishing store.	7	4. . .	Four-story brick.	Loss $136.69; recall 7.10 p. m.; lighted paper dropped in straw.
Wednesday	27	157	. . .	11.10	734 S. Broadway . . .	Walter Moxley. .	Cigar store & dwelling.	5	3. . .	Three-story brick.	Loss $152; recall 11.36 p. m.; overheated stove setting fire to boxes.
Saturday	30	142	2.56	. . .	203 S. High st	Harris Shriver. .	Dwelling . .	3	3. . .	Two-story & attic brick.	Loss $422.80; recall 3.29 a. m.; unknown.
Saturday	30	428	6.42	. . .	1008 Wagon alley . .	Unoccupied . . .	. . . . .	. . . . .	4. . .	Three-story brick.	Loss $15; recall 7.15 a. m.; incendiary; extinguisher 8 Engine Co.
June. Monday	1	251	. . .	3.45½	914 Sterling st	Mrs. Mary Sincraft.	Dwelling . .	. . . . .	5. . .	Three-story brick.	Loss $36.50; recall 3.58 p. m.; explosion of gasoline stove.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1891.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. Cos.	Style of Building.	Remarks.
Wednesday 3	525	. . .	8.50	110 Hanover st. . . .	Samuel Smith & others.	Tailor shop & dwelling.	. . . . .	. . .	Four-story brick.	Loss $221.50; recall 9.08 p. m.; explosion of coal oil can; ext. 15 Engine Co.
Wednesday 3	236	. . .	9.40	137 Bradford st. . . .	Geo. Williamson.	Dwelling . .	. . . . .	3. . .	Two-story brick .	Loss $8.50; recall 9.58 p. m.; explosion of coal oil stove.
Thursday 4	267	2.18	. . .	1307 E. Townsend st.	John Friedenwald.	Bakery and dwelling.	5 Chemical.	5. . .	Three-story brick.	Loss $36.50; recall 2.57 a. m.; heat from bake oven.
Thursday 4	422	. . .	5.13	Neal Building, Holliday & Baltimore sts.	Postal Telegraph Co. and others.	Offices	. . . . .	1. . .	Four-story brick..	Loss $50; recall 5.35 p. m.; lightning on wires.
Sunday 7	163	. . .	6.45	117 N. Chapel st . . .	Mrs. Mary Hawat.	Dwelling . .	. . . . .	3. . .	Two-story brick .	Loss $14.25; recall 7.06 p.m.; defective flue.
Tuesday 9	143	. . .	3.03	1103 E. Pratt st. . . .	Abraham Jacobs.	Tenement house.	. . . . .	3. . .	Two-story & attic brick.	Loss $25.24; recall 3.26 p. m.; sparks from chimney; extinguisher 3 Eng. Co.
Tuesday 9	526	. . .	3.23½	211 W. Camden st . .	Simon Kurtz. . .	Restaurant & tenem'th'se	2, 15	2, 6 .	Three-story brick.	Loss $575; recall 4.05 p.m.; sp'ks from st.
Wednesday 10	415	. . .	6.17½	Eutaw st. nr. German	Concordia German Associat'n.	Theatre and club house.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 14.	1,2,4,5 6.	Four-story brick.	Loss $59,884.19; recall 10.15 p. m.; unknown.
2d alarm.	. .	. . .	6.20	and German st. nr.						
3d alarm.	. .	. . .	6.32	Eutaw.						
. . . . .	. .	. . .	. . .	409 & 411 W. German street.	Chesapeake Shirt Co.	Shirt factory.	2, 3, 8 Chem.	. . .	Five-story brick .	. . . . .
Thursday 11	435	11.14	. . .	. . . . .	. . . . .	. . . . .	. . . . .	. . .	. . . . .	Loss none; recall 11.29 a. m.; accidental alarm caused by man fixing lock of box.

Thursday	11	714	. . .	11.11	Rear of Fort avenue, near Webster st.	John A. Allers & Son.	Storage shed for lime.	12	6. . .	One-story frame .	Loss $28.28; recall 11.-42 p. m.; lime slaking setting fire to shed.
Sunday	14	234	7.49½	. . .	1647 Orleans st. . . .	Hugo Baske . . .	Dwelling . .	. . . . .	3. . .	Three-story brick.	Loss $127.05; recall 8.-03 a. m.; explosion of gasoline stove.
Sunday	14	533	10.35	. . .	827 S. Paca st.	Henry Neise. . .	Dwelling . .	. . . . .	. . .	Three-story brick.	Loss $5; recall 10.47½ a.m.; burning chimney; extinguisher 10 Engine Co.
Sunday	14	212	. . .	1.41½	161 Harrison st. . . .	Jacob Cohen and others.	Dwelling . .	. . . . .	1. . .	Three-story brick.	Loss $189; recall 2.21 p. m.; defective chimney; extinguishers 4 & 6 Engine Co.
Monday	15	523	. . .	5.23½	600 L. Paca st.	Wm. H. Hartlove	Tin can factory.	. . . . .	. . .	Three-story brick.	Loss none; recall 5.31 p.m.; kettle of rosin taking fire; extinguisher 2 Eng. Co.
Tuesday	16	143	2.30	. . .	112 S. Eden st	A. Rosenthal . .	Stable	3, 5, 9, 11. .	3. . .	Two-story brick .	Loss $860.60; recall 4.01 a. m.; spontaneous combustion of hay.
Tuesday	16	146	. . .	1.09	821 E. Pratt st.	Wm. Steta. . . .	Grocery store & tenement house.	3.	. . .	Three-story brick.	Loss $20; recall 1.20 p. m.; explosion of gasoline stove.
Wednesday	17	482	. . .	6.15	2119 Mary Anna st. .	Julius Liewek . .	Dwelling . .	. . . . .	8. . .	Three-story brick.	Loss $134.75; recall 6.-41 p. m.; explosion of gasoline stove; extinguishers 10 & 14 Engine Cos.
Wednesday	17	19	. . .	11.00	. . . . .	. . . . .	. . . . .	. . . . .	. . .	. . . . .	Loss none; recall 11.35 p. m.; lightning striking wires and burning out box.
Wednesday	17	182	. . .	11.31	Aliceanna street near Boston st.	Western Union Telegraph Co.	Office	. . . . .	. . .	Three-story brick.	Loss $55.50; recall 11.-42 p. m.; lightning striking wires.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1891.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. Cos.	Style of Building.	Remarks.
Saturday 20	391	. . .	2.35	S. E. cor. Druid Hill & Fulton avs., "annex."	George Boyer . .	Confectionery store and dwelling.	2 Chemical.	. . .	Two-story brick .	Loss $12; recall 3.06 p. m.; heat from furnace under boiler.
Saturday 20	318	. . .	9.00	5 W. Lexington st.. .	Lindau & Schoolherr.	Dry goods & notion st'e.	1, 4 . . . . 8 Chemical.	1, 2 .	Four-story brick.	Loss $144.47; recall 9.50 p. m.; unknown.
Saturday 20	526	. . .	11.11	122 W. Camden st . .	Rudolph & Co. .	House furn'g & oil store.	2, 10, 15 . .	2, 6 .	Three-story brick.	Loss $295.89; recall 12.11 a. m. 21st; unknown.
Sunday 21	526	12.40	. . .	214 W. Camden st . .	Josie Sonata . . .	Banana storehouse.	. . . . .	. . .	Three-story brick.	Loss none; recall 12.47 a. m.; explosion of gasoline stove.
Monday 22	412	7.03	. . .	48 W. Baltimore st. .	Hoffman & Co. and others.	Paint shop & warehouse.	. . . . .	. . .	Three-story brick.	Loss none; recall 7.11 a. m.; smoke from back draft of chimney.
Tuesday 23	473	9.25	. . .	411 N. Stricker st. . .	Paul Jarden . . .	Dwelling . .	. . . . .	. . .	Three-story brick.	Loss none; recall 9.35½ a. m.; explosion of gasoline stove; exting. 8 Engine Co.
Wednesday 24	255	7.09	. . .	1522 Boundary ave., "annex."	Unoccupied . . .	. . . . .	. . . . .	. . .	Two-story brick .	Loss $15; recall 7.22 a. m.; incendiary; ext. 5 H. & L. Co.
Wednesday 24	242	. . .	6.40	Madison street near Harford road.	. . . . .	Load of hay .	6	5. . .	. . . . .	Loss $33; recall 7.22 p. m.; set on fire by boy.
Wednesday 24	541	. . .	9.21	326 W. Henrietta st .	R. Brown	Dwelling . .	. . . . .	. . .	Three-story brick.	Loss $10; recall 9.40 p. m.; falling of coal oil lamp; ext. 2 Engine Co. & 6 H. & L. Co.

Wednesday	24	345	. . .	10.10	1918 N. Charles st., "annex."	Wm.L.Gallagher.	Dwelling . .	3 Chemical.	4. . .	Three-story brick.	Loss $99.61; recall 10.51 p. m.; spontaneous combustion.
Wednesday	24	496	11.55	. . .	North ave. near electric road, "annex."	Albert Hall . . .	Dwelling, kitchen & carriage house.	2 Chemical.	. . .	Two & one-story frame.	Loss $1,792.80; recall 3.55 p. m.; overheated stove.
Friday	26	24	2.05	. . .	440 N. Gay st.	Adolph T. Pfaff .	Grocery store.	6.	1, 5 .	Three-story brick.	Loss $824.84; recall 3.29 a. m.; unknown.
Friday	26	267	. . .	6.03	1533 E. North avenue, "annex."	Luke Swift . . .	Stable	6, 9 . . . . 5, 6 Chem. .	5. . .	Two-story brick .	Loss $185; recall 7.10 p. m.; spontaneous combustion of hay.
Friday	26	21	. . .	8.39½	308 N. Gay st.	F. De Fontes . .	Barber shop & dwelling.	6.	. . .	Two-story brick .	Loss $86.75; recall 8.47½ p. m.; defective chimney.
Friday	26	512	. . .	10.01½	22 W. Lombard st . .	Berry Bros. . . .	Paint, oil and varnish warehouse.	3.	2. . .	Four-story brick.	Loss $5; recall 10.26 p. m.; spontaneous combustion.
Saturday	27	238	9.15	. . .	1590 E. Madison st. .	James McCart. . .	Dwelling . .	9	5. . .	Three-story brick.	Loss $98; recall 9.48 a. m.; sparks from chimney.
Saturday	27	631	. . .	8.40	42 W. West st	J. H. Simmons .	Dwelling . .	. . . . .	6. . .	Two-story brick .	Loss $23.75; recall 8.49 p. m.; upsetting of coal oil lamp.
Saturday	27	327	. . .	10.36	1720 Eutaw place . .	Solomon Strouse.	Dwelling . .	. . . . .	4. . .	Four-story brick.	Loss $275.36; recall 11.02½ p. m.; children playing with matches.
Saturday	27	291	. . .	11.51	Huntingdon ave. and York road, "annex."	Union Park Association.	Base Ball grounds.	6, 9 . . . . 3, 4, 5, 6, 7 Chemical.	5, 7 .	One-story frame & open stand.	Loss $650; recall 2.54 a.m. 28th; supposed incendiary.
Sunday	28	154	. . .	5.48	Thames & Philpot sts.	E. Levering & Co.	Coffee roast'g establishm't	1, 2, 3, 4, 5, 6, 7, 9, 11, 12, 13.	1,2,3,5 W. T.	Four-story brick.	Loss $63,506.22; recall 12.56 a. m. 29th; unknown.
2d alarm.		. .	. . .	5.55							
3d alarm.		. .	. . .	6.02							
Monday	29	318	12.50	. . .	1 W. Saratoga st. . .	Louis Bennett . .	Cigar store. .	. . . . .	2. . .	One-story brick .	Loss $425; recall 1.00 a.m.; match or cigar thrown under counter; ext. 4 Engine Co.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1891.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. Cos.	Style of Building.	Remarks.
Monday 29	238	. . .	5.29	905 N. Caroline st . .	John Eccleson. .	Dwelling . .	. . . . .	. . .	Three-story brick.	Loss none; recall 5.40 p. m.; explosion of coal oil stove; ext. 9 Engine Co.
Tuesday 30	395	12.20	. . .	Quarry ave., Woodberry, "annex."	Mrs. A. Harris. .	Dwelling . .	3, 4, 7 Chem.	9. . .	Two-story & attic frame.	Loss $505.43; recall 4.-25 a. m.; explosion of coal oil lamp.
Tuesday 30	185	. . .	6.52	2920 Hudson st. . . .	H. Wemkler & Son.	Blacksmith shop and dwelling.	. . . . .	. . .	Three-story brick.	Loss $71.80; recall 7.14 p. m.; sparks from furnace; ext. 11 Engine Co.
July. Wednesday 1	249	. . .	9.39	S. W. cor. Monument and Buren sts.	Baltimore Manufacturing Co.	Vinegar factory.	. . . . .	1. . .	Three-story brick.	Loss $50; recall 10.28 p. m.; spontaneous combustion; ext. 6 Engine Co.
Thursday 2	237	. . .	9.27	420 N. Castle st. . . .	John Novak . . .	Dwelling . .	. . . . .	3. . .	Two-story brick .	Loss $54.45; recall 9.51 p. m.; explosion of coal oil lamp.
Saturday 4	153	. . .	3.35½	1517 Eastern ave. . .	Geo. Krummeck.	Dwelling . .	5.	3. . .	Three-story brick.	Loss $28.50; recall 4.01 p. m.; sparks from chimney.
Sunday 5	159	2.15	. . .	1703 Canton ave . . .	Mrs. L. Herford .	Saloon. . . .	5.	3. . .	Three-story brick.	Loss $774.32; recall 3.-37 a. m.; supposed incendiary.
Monday 6	713	4.34	. . .	1624 E. Fort ave . . .	John Dowling . .	Dwelling . .	12	6. . .	Three-story brick.	Loss $171.19; recall 5.-17 a. m.; supposed incendiary.
Monday 6	493	7.50	. . .	847 Calverton road, "annex."	Henry Hill . . .	Dwelling . .	1 Chemical.	. . .	Two-story frame.	Loss $64.69; recall 8.34 a. m.; defective flue.

Monday	6	43	. . .	11.56½	712 W. Lombard st. .	Alfred Haupt . .	Dwelling	2. . .	Three-story brick.	Loss $110.25; recall 12.15 a. m. 7th; unknown.
Friday	10	423	. . .	8.19	678 W. Baltimore st .	Fred'k Kaiser . .	Clothing and gents furnishing st'e.	3. . .	Three-story brick.	Loss $61.83; recall 8.28 p. m.; gas jet igniting goods in window.
Friday	10	412	. . .	11.03	5 N. Charles st. . . .	Wm. C. Russell & Co.	Photograph gallery.	1. . .	Four-story brick.	Loss $300; recall 11.30 p. m.; spontaneous combustion.
Saturday	11	123	. . .	10.55	508 E. Pratt st	Mary Weinberg .	Eating saloon 3.	1. . .	Three-story brick.	Loss $200; recall 11.18 p. m.; explosion of coal oil stove.
Sunday	12	75	12.44	. . .	Foot Decatur st . . .	James M. Clark .	Tool house . . 12	6. . .	One-story frame .	Loss $281.25; recall 1.-36 a.m.; incendiary.
Sunday	12	514	. . .	12.07	S. W. cor. Pratt and Paca sts.	Stephen Moreneuski.	Tenement house.	2. . .	Four-story brick.	Loss $55; recall 12.27 p. m.; overheated stove pipe.
Sunday	12	23	. . .	12.46	1406 Mullikin st . . .	Nathan Frank. .	Paper stock	Three-story brick.	Loss none; recall 12.-57 p. m.; smoke from chimney.
Sunday	12	316	. . .	8.33½	North st., near Monument st.	Various parties. .	Pile of berry crates. 4	4.	Loss $25; recall 9.01 p. m.; sparks from locomotive.
Monday	13	451	. . .	9.13½	1204 Harlem ave. . .	A. J. Hohlbein. .	Dwelling	Three-story brick.	Loss none; recall 9.27 p. m.; explosion of can of coal oil; ext. 13 Engine Co.
Tuesday	14	184	. . .	6.40	Boston st., near Harris' creek.	George Tyler. . .	Planing mill and box factory. 11	3. . .	Three-story brick.	Loss none; recall 7.24 p. m.; sparks from furnace.
Tuesday	14	146	. . .	11.20	915 E. Pratt st.	Wm. Knaupt . .	Saloon & tenement house. 3	1, 3 .	Four-story brick.	Loss $226.30; recall 11.56 p. m.; unknown; Andrew Knaupt, 4 years old, was smothered to death.
Wednesday	15	475	8.23	. . .	1835 Edmondson ave.	Henry Chalmers.	Dwelling	4. . .	Three-story brick.	Loss none; recall 8.35 a.m.; burning chim.

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Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. Cos.	Style of Building.	Remarks.
Thursday 16	21	. . .	8.21	136 N. Frederick st. .	J. Bright & others	Tenement house.	. . . . .	1. . .	Three-story brick.	Loss $3; recall 8.28 p. m.; unknown.
Saturday 18	314	2.32	. . .	306 W. Franklin st. .	John Snyder & Bro.	Hay and feed store.	1, 7, 8 . . .	2, 4 .	Four-story brick.	Loss $2,238.71; recall 4.34 a.m.; unknown.
Monday 20	176	11.21	. . .	2222 Jefferson st . . .	Frank Petran . .	Saloon and dwelling.	. . . . .	3. . .	Three-story brick.	Loss $149.75; recall 12.-04 p.m.; sparks from chimney; exts. 5, 9 and 11 Engine Cos.
Tuesday 21	165	. . .	1.55	Bethel alley, rear of 24 N. Broadway.	Geo. W. Corner .	Storehouse. .	. . . . .	3. . .	One-story frame .	Loss $5; recall 2.09 p. m.; explosion of gasoline lamp.
Tuesday 21	532	. . .	8.48	523 & 525 W. Lee st. .	C. Eppler & Sons.	Barrel factory	1, 2, 10 . . .	6. . .	Two-story frame.	Loss $2,622.05; recall 10.11 p. m.; sparks from burning shavings.
Wednesday 22	473	11.39	. . .	1627 W. Mulberry st.	Wm. Brent . . .	Dwelling . .	8	. . .	Three-story brick.	Loss $35; recall 11.50 a.m.; children playing with matches.
Wednesday 22	46	. . .	1.05	1601 Frederick ave. .	Scully & Wilson.	Drug store & dwelling.	. . . . .	8. . .	Three-story brick.	Loss $115; recall 1.15 p. m.; explosion of gasoline stove.
Wednesday 22	146	. . .	7.57	S. E. cor. East Falls ave. and Stiles st.	E. B. Hunting. .	Planing mill & sash fact'y	3.	1. . .	Four-story brick..	Loss none; recall 8.18 p. m.; sparks from stack.
Wednesday 22	345	. . .	10.59	5 W. First st., "annex."	Eli Smith	Carpenter s'p & pub. hall.	3 Chemical.	4. . .	Three-story brick.	Loss $20; recall 11.33 p. m.; unknown.
Thursday 23	394	. . .	6.29½	224 Park ave., Woodberry, "annex."	A. Thorne. . . .	Dwelling	. . . . .	9. . .	Two-story frame.	Loss none; recall 6.55 p.m.; burning chim.
Saturday 25	17	8.36	. . .	601 & 603 Luzerne st..	U. B. Woolford .	Oakum fact'y	3, 5, 9, 11. .	1, 3 .	Two-story brick .	Loss $9,215.76; recall 12.03 p. m.; friction of machinery.
. . . . .	173	8.41	. . .							
2d alarm.	. .	8.43½	. . .							

Saturday	25	531	. . .	1.36	S. E. cor. Scott st. & Columbia ave.	Poulton Bros. Chas. Conley.	Grocery store & dwelling.	2, 10	2, 6 .	Three-story brick.	Loss $336.65; recall 2.-35 p. m.; explosion of gasoline stove.
Saturday	25	391	. . .	4.07	121 Pennsylvania ave. extended.	August Kreis . .	Stable	2 Chemical.	4. . .	Two-story stone..	Loss $47; recall 5.22 p. m.; unknown.
Tuesday	28	531	1.04	. . .	708 Columbia ave . .	Ernest Luckhardt	Bakery and dwelling.	10	2. . .	Three-story brick.	Loss none; recall 1.27 a. m.; falling of coal oil lamp.
Tuesday	28	426	. . .	9.45½	1026 Hollins st. . . .	Unoccupied			2. . .	Three-story brick.	Loss $134.83; recall 10.20 p. m.; incendiary; exts. 8, 10 & 14 Engine Cos.
Wednesday	29	56	. . .	8.52	1002 Creek alley . . .	John T. Cunningham.	Dwelling		6. . .	Three-story brick.	Loss $16; recall 9.06 p. m.; explosion of gasoline stove.
Thursday	30	241	. . .	9.55½	522 N. Front st. . . .	H. Appel	Dwelling		5. . .	Three-story brick.	Loss $40; recall 10.21 p. m.; burning chimney.
Friday	31	162	. . .	4.54	714 & 716 S. Ann st. .	Vincente Mackowinke.	Dwelling		3. . .	Two-story frame.	Loss $12; recall 5.26 p. m.; sparks from chimney.
August.											
Saturday	1	15	. . .	11.28	411 S. Broadway . . .	Wm. J. Lawless .	Dry goods & notion st'e.	. . . . .	3. . .	Three-story brick.	Loss $739; recall 11.53 p. m.; unknown.
Monday	3	438	. . .	4.00	844 W. Lombard st. .	Mrs. Frances Winters.	Dwelling		. . .	Three-story brick.	Loss none; recall 4.09 p. m.; meat falling on stove.
Wednesday	5	317	12.20	. . .	N. E. cor. Centre and St. Paul streets.	Edward Lloyd. .	Saloon and boarding house.	. . . . .	4. . .	Four-story brick.	Loss $249.79; recall 12.46 a. m.; gas jet igniting woodwork; exts. 4 and 7 Engine Cos.
Wednesday	5	36	. . .	9.05	1635 L. Walsh st. . .	Mrs. Mary Morawitz.	Dwelling . .	13	4. . .	Three-story brick.	Loss $216.80; recall 9.-45 p. m.; balloon falling on shingle roof.
Friday	7	341	2.53	. . .	1217 Maryland ave. .	John Bockelman.	Furniture & uphol.estab.	7	4. . .	Three-story brick.	Loss $548.20; recall 3.-55 a. m.; spontaneous combustion.

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Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. Cos.	Style of Building.	Remarks.
Saturday 8	62	11.33	. . .	22 E. Cross st.	John Hopps . . .	Notion store & dwelling.	. . . . .	6. . .	Three-story brick.	Loss $15; recall 11.42 a. m.; explosion of gasoline stove.
Saturday 8	63	. . .	10.14	1289 William st. . . .	Geo. Schuling . .	Grocery store & dwelling.	. . . . .	6. . .	Three-story brick.	Loss $10; recall 10.24 p. m.; explosion of coal oil lamp.
Saturday 8	543	. . .	10.23	. . . . .	. . . . .	. . . . .	. . . . .	. . .	. . . . .	Loss none; recall 10.-30 p. m.; box pulled for preceding fire.
Monday 10	35	. . .	6.21	881 N. Howard st. . .	J. E. Harting . .	Upholstering st'e & dwelling.	. . . . .	4. . .	Three-story brick.	Loss $60; recall 6.32 p. m.; explosion of gas in cellar.
Tuesday 11	153	12.37	. . .	508 S. Caroline st. . .	James McElroy .	Dwelling . .	. . . . .	3. . .	Two-story frame .	Loss $81.25; recall 1.16 a.m.; defective flue.
Wednesday 12	314	12.50	. . .	S. E. cor. Howard & Franklin sts.	Franklin Printing Co., F. M. Davis, Prop.	Print'g office.	15	4. . .	Four-story brick.	Loss $313.28; recall 1.-40 a. m.; unknown.
Wednesday 12	485	8.22	. . .	30 Old Frederick road, "annex."	Mrs. M. Caulk. .	Dwelling . .	. . . . .	8. . .	Two-story frame.	Loss $10; recall 8.55 a. m.; explosion of gasoline stove.
Wednesday 12	365	. . .	12.45	537 Oxford st.	Benj. Hall. . . .	Dwelling . .	. . . . .	4. . .	Two-story brick .	Loss $40; recall 12.57 p.m.; children playing with matches.
Wednesday 12	423	. . .	7.59	805 Hollins st	Jacob A. Lubins.	Dwelling . .	. . . . .	2. . .	Three-story brick.	Loss $200; recall 8.29 p. m.; explosion of coal oil lamp.
Thursday 13	349	. . .	12.15	8 W. Fifth st.	John Carloss. . .	Dwelling . .	3 Chemical.	. . .	Three-story brick.	Loss none; recall 12.40 p. m.; unknown.

Friday	14	216	11.05	. . .	516 H alley.	Unoccupied . . .	. . . . .	. . . . .	1. . .	Two-story brick .	Loss $19; recall 11.29 a. m.; sparks from chimney; exts. 6 & 9 Engine Cos.
Sunday	16	162	1.55	. . .	1733 Lancaster st. . .	LorenzoOxhouski	Saloon and dwelling.	. . . . .	3. . .	Three-story brick.	Loss $13.80; recall 2.18 a. m.; incendiary.
Sunday	16	426	. . .	10.47	1137 W. Baltimore st.	Joseph T. Dunn .	Cigar store & dwelling.	8, 14	2. . .	Three-story brick.	Loss $1,115.55; recall 11.32 p. m.; unknown.
Monday	17	516	7.26	. . .	. . . . .	. . . . .	. . . . .	. . . . .	. . .	. . . . .	Loss none; recall 7.40 a. m.; accidental alarm, man cutting wire.
Monday	17	161	7.34	. . .	714 S. Ann st.	John Corrisky . .	Dwelling . .	. . . . .	3. . .	Two-story frame.	Loss none; recall 7.52 a.m.; defective flue.
Wednesday	19	143	. . .	3.07½	38 S. Eden st.	Selig Brenner . .	Dwelling . .	. . . . .	3. . .	Three-story brick.	Loss $25; recall 3.20 p. m.; explosion of gasoline stove.
Wednesday	19	429	. . .	9.35	22 S. Carey st.	L. McCauley. . .	Dwelling . .	. . . . .	. . .	Three-story brick.	Loss $10; recall 9.50 p. m.; explosion of coal oil lamp; ext. 10 Engine Co.
Thursday	20	291	. . .	5.24	Third st. & Montibello ave., "annex."	Mary E. Forestell	Dwelling . .	6 . . . . . 3, 4, 5 Chem.	5, 7 .	Two-story frame.	Loss $3,702.05; recall 8.35 p. m.; defective flue.
Thursday	20	472	. . .	7.14	1133 N. Mount st. . .	Mary E. Grafflin.	Dwelling . .	. . . . .	. . .	Three-story brick.	Loss $35; recall 7.32 p. m.; explosion of gasoline stove; ext. 13 Engine Co.
Thursday	20	371	. . .	7.20	. . . . .	. . . . .	. . . . .	. . . . .	. . .	. . . . .	Loss none; recall 7.35 p. m.; box pulled for preceding fire.
Saturday 2d alarm.	22	437 . .	. . . . . .	5.55 5.59	632 W. Pratt st. . . .	G. W. Garrison .	Picture frame factory.	1, 10, 15 . .	2. . .	Three-story brick.	Loss $674.80; recall 7.-01 p. m.; spontaneous combustion of rags.
Saturday	22	624	. . .	10.33	210 Stockholm st. . .	E. J. Brannan. .	Stable & pottery storeroom.	. . . . .	. . .	Two-story frame.	Loss $26.91; recall 10.-46 p.m.; incendiary; ext. 2 Engine Co.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1891.

Date.		Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. Cos.	Style of Building.	Remarks.
Sunday	23	26	12.15	. . .	841 N. Gay st.	Morris Benesch .	Furniture st'e & dwelling.	. . . . .	. . .	Three-story brick.	Loss $18; recall 12.34 a.m.; unknown; ext. 9 Engine Co.
Sunday	23	4	2.54	. . .	207 E. Baltimore st. .	J. Harry Caughy, Jr.	Merchant tailor store.	. . . . .	1. . .	Three-story brick.	Loss $6.75; recall 3.12 a.m.; unknown; ext. 4 Engine Co.
Sunday	23	365	10.07	. . .	936 Pennsylvania ave.	Kaufmann Bros.	Dry goods and notion store	7.	4. . .	Three-story brick.	Loss $5; recall 10.27 a. m.; unknown.
Monday	24	419	. . .	4.54	308 N. Howard st. . .	J. Geo. Leffert . .	Tin and sheet iron store.	. . . . .	2. . .	Three-story brick.	Loss none; recall 5.03 p.m.; paint pot taking fire from gas jet.
Wednesday	26	613	10.01	. . .	229 Warren ave . . .	R. J. McAllister..	Dwellings . .	. . . . .	6. . .	Three-story brick.	Loss $125; recall 10.17 a.m.; children playing with fire; ext. 12 Engine Co.
Thursday	27	392	. . .	2.21	817 Pennington ave., "annex."	Andrew Chase. .	Dwelling . .	3 Chemical.	. . .	Three-story brick.	Loss $15; recall 2.47 p. m.; overheated stove.
Thursday	27	437	. . .	11.04½	S. W. cor. Pratt and Paca sts.	John Philip and others.	Tenement house.	. . . . .	2. . .	Four-story brick.	Loss $25; recall 11.16 p. m.; unknown.
Friday	28	13	. . .	4.56	East Falls ave. and Granby st.	Sam'l Taylor. . .	Manufacturing estab.	. . . . .	1. . .	Four-story brick.	Loss none; recall 5.07 p. m.; bundle of burning paper thrown on roof.
Friday	28	372	. . .	5.35	1216 Patterson ave.. .	W. W. Warfield .	Stable	13	4. . .	Two-story brick .	Loss $104.11; recall 6.-14 p. m.; spontaneous combustion of hay.
Saturday	29	314	. . .	2.29	308 W. Franklin st. .	Henry Casey. . .	Harness factory.	8 Chemical.	4. . .	Three-story brick.	Loss $110; recall 3.03 p. m.; sparks from tinner's fire-pot.

September.											
Tuesday	1	365	3.55	. . .	943 Pennsylvania ave.	S. J. Tegnor & Bros.	Saloon and dwelling.	. . . . .	4. . .	Three-story brick.	Loss $341.33; recall 4.-06 a. m.; unknown.
Thursday	3	523	1.35	. . .	Burgundy alley, near Camden st.	Sam'l G. Winter-nitz.	Stable	1, 2	2. . .	Two-story brick .	Loss $122; recall 2.32 a. m.; spontaneous combustion of hay.
Friday	4	251	1.47	. . .	909 Chew st	Jos. G. Grogan. .	Stable	. . . . .	5. . .	Two-story brick .	Loss $5; recall 2.01 a. m.; parties smok'g.
Friday	4	156	2.21	. . .	710 Thames st	Lewis Applegarth	Tenement house.	. . . . .	3. . .	Four-story brick.	Loss $74.25; recall 2.44 a. m.; unknown.
Sunday	6	713	1.10	. . .	1359 Hull st	Myer Waterman.	Grocery store & dwelling.	12	6. . .	Three-story brick.	Loss $125; recall 3.59 a. m.; incendiary.
Sunday	6	54	10.20	. . .	121 W. Hughes st . .	Thos. Johnston .	Dwelling . .	2	6. . .	Two-story brick .	Loss $59; recall 10.45 a. m.; overheated stove.
Sunday	6	7	. . .	3.32	1431 Covington st. . .	Mrs. Annie Bol-doff.	Dwelling . .	7	6. . .	Two-story brick .	Loss $213.50; recall 4.-02 p. m.; unknown.
Sunday	6	413	. . .	5.46	225 N. Howard st. . .	John G. Hetzell & Son.	Metal cornice & roofing factory.	15	2. . .	Four-story brick.	Loss $173.20; recall 6.-41 p. m.; accidental ignition of gas.
Wednesday	9	156	5.44	. . .	1614 Thames st. . . .	John Williams. .	Dwelling . .	5	3. . .	Two-story brick .	Loss $316; recall 6.32 a. m.; unknown.
Wednesday	9	426	. . .	1.08	1133 Raborg st.	Unoccupied . . .	. . . . .	14	. . .	Two-story frame.	Loss $10; recall 1.19 p. m.; boys playing with fire.
Thursday	10	392	6.45	. . .	937 Huntington ave., "annex."	John Bushmiller.	Dwelling . .	3 Chemical. . .	. .	Two-story brick .	Loss $10; recall —— a. m.; sparks from stove.
Thursday	10	218	. . .	5.46	40 S. Front st.	Stuart R. Carr & Bro.	Iron foundry.	. . . . .	1. . .	One-story brick & frame.	Loss $20; recall 6.11 p. m.; sparks from cupola.
Saturday	12	526	. . .	7.48	227 S. Sharp st. . . .	Peter Steckmeyer	Saloon and dwelling.	. . . . .	2. . .	Three-story brick	Loss $22.50; recall 7.52 p. m.; explosion of benzine.
Saturday	12	612	. . .	7.52	47 E. Montgomery st.	Hall Schillinger..	Dwelling . .	. . . . .	6. . .	Three-story brick	Loss $107.75; recall 8.45 p.m.; explosion of coal oil lamp.
Sunday	13	3	. . .	10.10	111 N. Holliday st . .	Wilson S. Pepper.	Hotel.	4.	1. . .	Four-story brick.	Loss $224.10; recall 11.-25 p.m.; defec. ch'y.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1891.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. Cos.	Style of Building.	Remarks.
Monday 14	218	9.51	. . .	35 N. Front st	Isaac Feldman. .	Dwelling . .	3.	. . .	Three-story brick	Loss $25; recall 10.00 a. m.; explosion of coal oil stove.
Tuesday 15	293	1.45	. . .	York road, near Oakland av., "county."	E. J. Dunning. .	Dwelling . .	3, 4, 5, 7 Ch.	7. . .	Three-story frame	Loss ——; recall 3.04 a. m.; unknown.
Wednesday 16	162	12.30	. . .	901 Fell st	Fred'k Kousky .	Tenement house.	5, 11	3. . .	Three-story brick	Loss $170.74; recall 1.-30 a. m.; unknown; first call for Fire Boat.
Wednesday 16	425	7.45	. . .	909 Raborg st.	W. Wehlei. . . .	Dyeing and scouring establishment	8.	2. . .	Three-story brick	Loss $45.75; recall 8.05 a. m.; explosion of benzine.
Saturday 19	562	. . .	6.37	1515 S. Charles st. . .	Newton Thornberg.	Dwelling . .	12	6. . .	Three-story brick	Loss $65; recall 6.53 p. m.; explosion of gasoline stove.
Sunday 20	164	. . .	3.24½	2005 Spruce st	Martin Haffer. . .	Dwelling . .	. . . . .	3. . .	Two-story brick .	Loss $25; recall 3.38 p. m.; sparks from chimney.
Friday 25	492	. . .	12.10	2533 W. Lexington st., "annex."	Henry Eckert . .	Carriage h'se and stable.	8, 14 . . . . 1, 2 Chem. .	2. . .	Two-story frame.	Loss $750; recall 4.41 p.m.; children playing with matches.
Friday 25	416	. . .	3.11	610 W. Lombard st. .	Nathan Brausky.	Grocery store.	1.	4. . .	Three-story brick	Loss $878.63; recall 3.-42 p. m.; unknown.
Friday 25	526	. . .	6.40	305 S. Sharp st.	Robinson, Cohen & Co. Wm. E. Beverage.	Embroidery works. Tinware store	2.	2. . .	Four-story brick.	Loss $1,065; recall 7.45 p. m.; lighted paper thrown on floor by boy.
Saturday 26	145	. . .	7.33	1179 E. Lombard st. .	Lewis Herman. .	Dwelling . .	. . . . .	. . .	Three-story brick	Loss $5; recall 7.48 p.-m.; explosion of can of coal oil; ext. 3 Engine Co.

Sunday	27	51	12.07	. . .	104 E. Pratt st.	Henry Bros . . .	For. fr't store.	1, 2, 3, 4, 6,	1,2,5,6	Four-story brick.	Loss $7,880.73; recall 3.20 a. m.; supposed spontaneous combustion.
2d alarm.		. .	12.10	. . .	106 E. Pratt st.	A. Braun . . .	Clothing store	7, 10, 12,			
					108 E. Pratt st.	Schley & Nixon	. . . . .	15, 16.			
						Larramore Carriage Co.	Carriage factory.	W.Tower.			
Monday	28	171	11.51	. . .	2229 Pleasant alley. .	Mary Berry . . .	Dwelling . .	. . . . .	3. . .	Two-story brick .	Loss $70; recall 12.20 p. m.; explosion of gasoline stove.
Monday	28	514	. . .	1.32	212 S. Eutaw st. . . .	Unoccupied . . .	. . . . .	. . . . .	2. . .	Three-story brick	Loss $15; recall 1.40 p. m.; sparks from chimney.
Monday	28	483	. . .	6.22	8 & 10 Marriott st., "annex."	Henry Ohrman .	Stable	8, 14 . . . . 1 Chemical.	2. . .	Two-story frame.	Loss $320; recall 7.49 p. m.; spontaneous combustion of hay.
Tuesday	29	262	1.10	. . .	1200 N. Gay st.	E. B. McKelvey .	Dry goods st'e & dwelling.	6, 9 . . . . 6 Chemical.	5. . .	Three-story brick	Loss $2,592.36; recall 2.30 a. m.; unknown.
Tuesday	29	26	. . .	9.35	823 N. Gay st.	Henry Kolb . . .	Dwelling . .	. . . . .	5. . .	Two-story brick .	Loss $100.14; recall 9.48 p. m.; falling of coal oil lamp; ext. 6 Engine Co.
Wednesday	30	26	. . .	9.35	729, 731 & 733 N. Gay street.	Adler & Co. . . .	Dry goods & notion st'e.	6.	5. . .	Two-story brick .	Loss $124.95; recall 9.45 p. m.; boy dropping lighted paper.
October.											
Thursday	1	32	. . .	5.56	105 E. Saratoga st . .	M. McCusker . .	Boarding h'se	. . . . .	. . .	Four-story brick.	Loss $7.05; recall 6.09 p. m.; sparks from chimney.
Friday	2	355	5.29	. . .	213 Richmond st. . .	Edw. J. Layton .	Bakery and dwelling.	. . . . .	4. . .	Two-story brick .	Loss $55.20; recall 5.36 a. m.; pan of grease taking fire.
Saturday	3	365	. . .	3.34	512 Oxford st.	May Henderson..	Dwelling . .	. . . . .	4. . .	Two-story brick .	Loss $96.83; recall 3.57 p.m.; children playing with matches.
Saturday	3	159	. . .	7.27½	1703 Canton ave. . . .	Frankel Bros . .	Dry goods and notion store	. . . . .	3. . .	Four-story brick.	Loss $5.00; recall 7.45 p. m.; escaping gas taking fire from light.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1891.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. Cos.	Style of Building.	Remarks.
Sunday 4	73	7.17	. . .	Near Fort ave., Locust Point.	Baltimore & Ohio Railroad Co.	Grain elevat'r	1, 2, 3, 5, 6, 7, 8, 9, 10, 12,13,15,16	1,2,3,4 6.	Nine-story frame.	Loss $245,419.40; recall 12.58 p. m. 6th; unknown.
2d alarm.	. .	7.35	. . .							
3d alarm.	. .	7.48½	. . .							
Sunday 4	74	11.06	. . .	Fort ave., opposite Lawrence st.	. . . . .	. . . . .	. . . . .	. . .	Two-story ——. .	Loss $65; recall 11.40 a. m.; sparks from burning elevator; ext. 8 Engine Co.
Sunday 4	368	. . .	7.10	Harmony lane. . . .	. . . . .	Stable and dwelling.	. . . . .	. . .	Two-story brick .	Loss none; recall 7.23 p. m.; smoke from stable, no fire.
Monday 5	43	. . .	5.45	707 W. Lombard st. .	A. H. Thorn. . .	Boarding h'se	. . . . .	2. . .	Three-story brick.	Loss $10; recall 6.02 p. m.; unknown.
Monday 5	526	. . .	6.20	212 W. Camden st . .	Mary Medisha & others.	Tenement house.	. . . . .	. . .	Three-story brick.	Loss $46; recall 6.28 p. m.; overheated stove; ext. 2 Eng. Co.
Tuesday 6	23	12.58	. . .	Rear of 1410, 1412, 1414 & 1416 May st.	Wm. Smith . . .	Stable & wagon house.	6, 9	1. . .	One-story frame .	Loss $872.76; recall 2.28 a. m.; unknown.
Tuesday 6	142	. . .	1.32	1300 Bank st..	M. H. Marcus & Bro.	Quilt and bed spread fac'y	3, 5	3. . .	Three-story brick.	Loss $414.20; recall 2.43 p. m.; friction of machinery.
Wednesday 7	484	. . .	2.24	Frederick road, near Brunswick st., "annex."	City of Baltimore.	Annex School No. 11.	1 Chemical.	8. . .	One-story frame .	Loss $60; recall 3.28 p. m.; overheated stove pipe.
Friday 9	391	5.46	. . .	Ashburton Farm, Reisterstown road, "annex."	John S. Gittings..	Barn, stable & storeh'se.	2, 3 Chem. .	4. . .	Two-story frame .	Loss $5,997.84; recall 5.49 p. m.; falling lantern.
Saturday 10	214	8.02	. . .	1124 E. Fayette st . .	John E. Smith. .	Dwelling . .	3.	. . .	Two-story brick .	Loss $18.40; recall 8.16 a. m.; sparks from chimney.

Sunday	11	525	1.56	128 Hanover st.	Stevens & Harmonson.	Drug, paint & oil wareh'se	2, 4 8	Chemical.	2, 6	Four-story brick.	Loss $1,269.68; recall 3.40 a. m.; spontaneous combustion of chemicals.
Monday	12	372	8.25	1324 Whatcoat st.	Thomas Wallace.	Dwelling			4	Two-story brick	Loss $32.50; recall 8.34 a. m.; lighted pipe in coat pocket; ext. 13 Engine Co.
Tuesday 2d alarm.	13	56	1.14	117, 119 and 121 W. Cross st.	Wm. Rittler & Co. Balto. Moulding Works.	Steam box fac. Moulding fac.	1, 2, 6, 10, 12, 15.		1, 2	Two-story brick	Loss $3,914.07; recall 3.48 a.m.; heat from boiler setting fire to floor.
			1.16								
Tuesday	13	361	10.28	619 Sarah Ann st.	M. E. Stewart	Dwelling			4	Two-story brick	Loss $28.05; recall 10.44 a. m.; defective flue.
Friday	16	232	12.39	103 S. Bond st	E. A. Smith	Dwelling			3	Three-story brick.	Loss $64; recall 1.00 a. m.; sparks from stove.
Friday	16	354	7.53	174 Dolphin st.	John Anderson	Dwelling			4	Three-story brick.	Loss $20; recall 8.06 a.m.; children playing with matches.
Friday	16	232	9.23	1626 Mullikin st	Edward Liggins	Dwelling			3	One-story frame	Loss $32.46; recall 9.44 a. m.; overheated stove pipe.
Friday	16	262	12.52	1526 E. Biddle st.	E. S. Sparks	Dwelling			5	Three-story brick.	Loss $5; recall 1.16 p. m.; gas igniting from open light.
Friday	16	261	6.29	1117 Somerset st	Francis Rempe	Grocery store & dwelling.			5	Three-story brick.	Loss $129; recall 6.56 p. m.; falling of lighted candle.
Friday	16	383	8.08	Etting st., extended							Loss none; recall 8.35 p. m.; rubbish on lot set on fire by boys.
Sunday	18	34	3.35	S. E. cor. Cathedral & Read sts.	Emanuel P. E. Church.	Church	8	Chemical.	4	Two-story stone	Loss $228.25; recall 4.35 p. m.; heat from furnace.
Friday	23	13	6.46	McElderry's wharf, near Pratt st.	Wells & McCardle 35	Pile of baled hay.	3		1		Loss $30; recall 7.28 p. m.; unknown.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1891.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. Cos.	Style of Building.	Remarks.
Saturday 24	422	7.28	. . .	9 South st	J. H. Vonderhorst John A. Hambleton & Co.	Restau. & dwl. Banking h'se.	4	1, 2 .	Four-story brick.	Loss $254; recall 8.30 a. m.; unknown.
Sunday 25	541	7.50	. . .	1027 S. Eutaw st. . .	Carlos Sanks. . .	Dwelling . .	. . . . .	6. . .	Three-story brick.	Loss $277.25; recall 8.19 a. m.; unknown; ext. 2 Engine Co.
Tuesday 27	312	. . .	2.07½	211 & 213 Clay st. . .	J. M. Ronemous & Co.	Metal sign factory.	1, 2, 4, 6, 7, 15.	1, 2, 4	Three-story brick.	Loss $2,975.10; recall 3.50 p. m.; turpentine vapor taking fire from gas jet.
2d alarm.	. .	. . .	2.10½		H. W. Jenkins & Sons. Wm. Ferguson & Bro.	Burial case factory. Carpenter shop.	8 Chemical.			
Wednesday 28	162	1.29	. . .	808 S. Ann st.	John Noll and others.	Tenement house.	5	3. . .	Three-story brick.	Loss $272.64; recall 2.19 a. m.; sparks falling on rubbish.
Wednesday 28	273	3.24	. . .	1419 N. Chester st . .	Thos. Mitchell. .	Dwelling . .	. . . . .	5. . .	Two-story brick .	Loss $35; recall 3.40 a. m.; overheated stove.
Wednesday 28	145	7.04	. . .	39 S. Central ave. . .	Jos. J. Robinson.	Coal office. . .	3.	3. . .	Two-story brick .	Loss $50; recall 7.16 a. m.; overheated stove pipe.
Wednesday 28	317	. . .	5.38	10 E. Centre st. . . .	Jos. P. Clark. . .	Saloon and boarding house.	8 Chemical.	1, 4 .	Three-story brick.	Loss $477.71; recall 6.20 p. m.; servant in cupboard with candle.
Thursday 29	317	4.47	. . .	12 E. Centre st. . . .	John Widgeon. .	Scientific exhibit'n hall & dwelling.	6, 7	1, 4 .	Three-story brick.	Loss $325; recall 5.59 a. m.; sparks from preceding fire.
					Md. Academy of Sciences.		8 Chemical.			
Thursday 29	531	. . .	1.32	Portland & Penn sts.	J. Wheatfield . .	Pile of empty boxes.	10	2. . .	. . . . .	Loss $15; recall 1.45 p. m.; boys playing with fire.

Thursday	29	217	. . .	5.30	615 Liberty alley. . .	Linden Myers . .	Dwelling . .	. . . . .	5. . .	Two-story brick .	Loss $15; recall 5.48 p. m.; unknown.
Friday	30	521	. . .	5.57	N. E. cor. Pratt and Charles sts.	Price & Soles . .	Candy fact'y.	. . . . .	. . .	Three-story brick.	Loss none; recall 6.05 p. m.; leaky gas pipe.
Saturday	31	399	10.49	. . .	214 Third ave., Woodberry, "annex."	Jas. H. Bardwell.	Dwelling . .	7 Chemical.	9. . .	Two-story frame.	Loss $71.75; recall 11.18 a. m.; explosion of gasoline stove.
Saturday	31	436	. . .	5.23	422 King st.	J. Wheatfield . .	Storeroom & dwelling.	1, 15	2. . .	Three-story brick.	Loss $877.14; recall 6.17 p. m.; unknown.
Saturday	31	56	. . .	8.30	926 Peach alley . . .	William Davis. .	Dwelling . .	. . . . .	6. . .	Three-story brick.	Loss $27; recall 8.43 p. m.; explosion of gasoline can.
November.											
Monday	2	349	10.53	. . .	2419 Oak st., "annex."	Mrs. Mary McCauley.	Dwelling . .	3 Chemical.	. . .	Two-story brick .	Loss $20; recall 11.20 a.m.; defective flue.
Thursday	5	519	12.10	. . .	Ranstead wharf, foot Wicomico st.	Thos. H. Evans .	Marble works	10	6. . .	One-story frame .	Loss $405; recall 1.07 a. m.; sparks from stack.
Thursday	5	523	2.15	. . .	406 W. Camden st . .	Grand Army of the Republic & other societies.	Headquarters & meeting rooms.	. . . . .	2. . .	Four-story brick.	Loss $51.41; recall 2.50 a. m.; overheated stove pipe; ext. 1, 10 and 15 Eng Cos.
Thursday	5	142	8.04	. . .	1300 Bank st.	M. H. Marcus & Bros.	Steam quilt & bed spread factory.	3, 5	3. . .	Three-story brick.	Loss $75; recall 8.52 a. m.; foreign substance in cotton picker.
Thursday	5	371	. . .	6.05	1131 N. Mount st. . .	Sam'l Warfield .	Dwelling . .	13	. . .	Three-story brick.	Loss $30; recall 6.24 p.m.; children playing with matches.
Thursday	5	532	. . .	7.14	521–527 W. Lee st. . .	John Eppler & Bro.	Barrel factory	. . . . .	. . .	Two-story brick and frame.	Loss none; recall 7.19 p. m.; light from burning shavings.
Friday	6	321	3.23	. . .	S. E. cor. Greene and Franklin sts.	Wm. Crise . . . . Mary Kerns . .	Paint & oil st'e Boarding h'se	. . . . .	4. . .	Three-story brick.	Loss $21; recall 4.07 a. m.; fire on hearth igniting woodwork.
Friday	6	352	. . .	3.37	1515 Foster alley. . .	Sarah Murdoch .	Dwelling . .	. . . . .	4. . .	Two-story brick .	Loss $205; recall 4.24 p. m.; overheated stove; ext. 7, 8 and 13 Engine Cos.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1891.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. Cos.	Style of Building.	Remarks.
Saturday 7	713	2.44	. . .	Near Fort ave., Locust Point.	B. & O. R. R. Co.	Wharf side of grain elevator.	12, 16 . . .	6. . .	Wharf	Loss, see Oct. 4th; recall 6.35 a. m.; smouldering grain from elevator fire of October 4th.
Saturday 7	425	6.01	. . .	Rear of —— W. Baltimore st.	M. Perine & Son.	Pottery . . .	. . . . .	. . .	. . . . .	Loss none; recall 6.14 a. m.; light from pottery.
Saturday 7	315	9.24	. . .	18 Mt. Vernon Place.	Julius Miller. . .	Dwelling . .	. . . . .	. . .	Three-story brick.	Loss none; recall 9.34 a. m.; burning chimney.
Saturday 7	43	9.26	. . .	702 Cider alley	James Matthews.	Dwelling . .	. . . . .	2. . .	Three-story brick.	Loss $5; recall 9.55 a. m.; sparks from chimney.
Monday 9	151	11.22	. . .	129 S. Spring st. . . .	Emanuel Pleade.	Tailor shop & dwelling.	3.	3. . .	Three-story brick.	Loss $917; recall 12.05 a. m.; explosion of gasoline stove.
Tuesday 10	23	1.11	. . .	503 N. Eden st. . . .	Jas. Holland and others.	Dwelling . .	3, 6	3, 5 .	Three-story brick.	Loss $608.29; recall 2.31 a. m.; overheated stove.
Tuesday 10	371	. . .	5.37½	1136 N. Stricker st. .	Wm. H. Riddle .	Dwelling . .	. . . . .	. . .	Three-story brick.	Loss $2.50; recall 5.50 p. m.; explosion of coal oil lamp; ext. 13 Engine Co.
Wednesday 11	31	. . .	9.25	326 N. Calvert st. . .	Henry Watson Aid Society.	Home for boys and girls.	. . . . .	. . .	Four-story brick.	Loss $43.50, recall 9.35 p. m.; lighted candle in cupboard; ext. 4 Engine Co.
Thursday 12 "Automatic"	814	1.05	. . .	621 W. Baltimore st .	Geo. Blome & Son	Candy factory	. . . . .	. . .	Four-story brick.	Loss none; recall 1.29 a. m.; accidental alarm.

Thursday	12	416	. . .	6.07	605 W. Baltimore st.	Birch & Birch . . Aug. Volkman .	Book and stationery st'e. Etna Solar Print W'ks.	1. . . . . 8 Chemical.	2. . .	Three-story brick.	Loss $891.30; recall 7.04 p. m.; electric light wire.
Saturday "Automatic"	14	87	8.23	. . .	217 W. Lexington st .	Posner Bros. . . .	Retail notion store.	. . . . .	. . .	Five-story brick .	Loss none; recall 8.35 a. m.; accidental alarm.
Saturday	14	526	10.20	. . .	. . . . .	. . . . .	. . . . .	. . . . .	. . .	. . . . .	Loss none; recall 10.-29 a. m.; accidental alarm, man painting box.
Monday	16	34	1.04	. . .	1035 Cathedral st. . .	Dr. Wm. Dougherty.	Dwelling . .	7	4. . .	Three-story brick.	Loss $561.15; recall 2.17 a.m.; unknown
Monday	16	484	. . .	2.53	336 Ramsay st., ext., "annex."	H. Hoffmeister. .	Grocery store & dwelling.	1 Chemical.	. . .	Three-story brick.	Loss $53; recall 3.24 p.m.; children playing with matches.
Tuesday	17	394	. . .	7.17	525 Roland ave., "annex."	A. H. Thompson.	Dwelling . .	. . . . .	9. . .	Two-story brick .	Loss $2.50; recall 7.44 p. m.; explosion of coal oil lamp.
Tuesday	17	6	. . .	9.49	S. W. cor. South and Water sts.	Baltimore Fire Insurance Co.	Insurance & other offices	4.	1. . .	Four-story brick.	Loss $86; recall 10.40 p. m.; lighted cigar thrown in cellar.
Thursday	19	624	. . .	10.19	1327 S. Sharp st . . .	John T. Ivery and others.	Dwelling . .	. . . . .	6. . .	Three-story brick.	Loss $30; recall 10.45 p. m.; overheated stove pipe.
Friday	20	383	. . .	5.27	1824 Madison ave . .	Simon Lohmann.	Dwelling . .	. . . . .	4. . .	Three-story brick.	Loss $500; recall 6.47 p.m.; defective flue; ext. 7 and 13 Eng. Cos.
Sunday	22	515	. . .	5.54	S. W. cor. Pratt and Howard sts.	Belt Line Construction Co.	Storage shed .	15	2. . .	One-story frame .	Loss $150; recall 6.27 p. m.; falling of lighted lantern.
Monday	23	274	. . .	1.35	1002, 1004 and 1006 N. Chester st.	C. H. Tillerman..	Stove polish factory.	9	5. . .	One-story frame .	Loss $2.371.74; recall 2.57 p. m.; friction of machinery.
Wednesday	25	512	. . .	3.25½	118 S. Charles st . . .	W. A. Schultze & Co.	Wholesale provision warehouse.	. . . . .	. . .	Three-story brick.	Loss $5; recall 3.34 p. m.; escaping gas taking fire from lighted candle.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1891.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. Cos.	Style of Building.	Remarks.
Wednesday 25	417	. . .	7.08	622 Columbia ave . .	Alfred S. Newberry.	Stable	15	2. . .	Two-story frame.	Loss $387.50; recall 8.01 p.m.; unknown
Wednesday 25	419	. . .	8.10	401 W. Lexington st..	A. B. Sulzbacher. D. Bachrach & Bro.	Dry goods st'e Photograph gallery.	1, 7, 15. . . 8 Chemical.	2, 4 .	Three-story brick.	Loss $2,423.75; recall 9.45 p.m.; live coals falling from stove.
Thursday 26	155	. . .	12.20	1431 Gough st	Michael Cooper .	Tailor shop & dwelling.	. . . . .	3. . .	Three-story brick.	Loss $115; recall 12.40 p. m.; fire falling from grate.
Thursday 26	164	. . .	7.30	2029 Bank st.	Conrad Smith . .	Grocery store & dwelling.	5	3. . .	Three-story brick.	Loss $734; recall 8.20 p.m.; overh'd stove.
Friday 27	41	. . .	4.06	7 N. Charles st	Cassard & Co. . .	Furniture st'e	1, 4, 6, 15. .	1, 2 .	Four-story brick with iron front & mansard roof.	Loss $1,469.89; recall 5.45 p. m.; dropping of lighted paper; Dandridge Kelly, porter, suffocated.
Saturday 28	285	. . .	7.12	Port and Jackson sts., Homest'd, "annex."	Herman Oler . .	Hay & straw pack'g est.	4, 5, 6 Chem.	5, 7 .	One-story frame.	Loss $1,724.30; recall 11.58 p. m.; unknown.
Sunday 29	237	11.20	. . .	617 N. Washington st.	Lewis Kohler . .	Dwelling . .	. . . . .	. . .	Two-story brick .	Loss none; recall 11.40 a. m.; smoke from defective chimney.
Sunday 29	355	. . .	6.12	816 Cathedral st . . .	Herbert Duvall .	Boarding h'se	7	. . .	Four-story brick.	Loss $113.71; recall 6.29 p.m.; defec. flue
Sunday 29	281	. . .	9.29	Mine Bank lane and North ave.	Edward Herman.	Green house.	5, 6 Chem. .	. . .	One-story frame..	Loss $300; recall 10.07 p. m.; overheated furnace.
Monday 30	352	. . .	3.52½	1502 Park ave	A. J. Godby . . .	Dwelling . .	. . . . .	4. . .	Four-story brick.	Loss $232.21; recall 4.32 p.m.; boy dropping lighted candle in cupboard; ext. 7 and 13 Engine Cos.

Monday	30	523	. . .	7.43	405 & 407 W. Barre st.	Jacob Siehler . .	Furniture factory.	2, 10, 15 . .	2. . .	Three-story brick	Loss $375.63; recall 9.10 p.m.; heat from furnace.
December.											
Tuesday	1	62	2.03	. . .	1101 William st . . .	Chas. Thawley. .	Dwelling . .	. . . . .	6. . .	Two-story brick .	Loss $30; recall 2.19 a. m.; unknown.
Tuesday	1	273	. . .	4.15	. . . . .	. . . . .	. . . . .	. . . . .	. . .	. . . . .	Loss none; recall 4.25 p. m.; accidental alarm, lineman adjusting box.
Wednesday	2	434	. . .	11.18	1233 W. Lombard st .	Lewis Lusby. . .	Dwelling . .	. . . . .	2. . .	Two-story & attic brick.	Loss $250; recall 11.45 p. m.; defective chimney.
Wednesday	2	425	. . .	5.18	837 & 839 Raborg st .	Andrew Smith. . Francis Allcorn	Dwellings . .	8 Chemical.	2. . .	Two-story & attic brick.	Loss $319.56; recall 7.06 p. m.; defective chimney; ext. 1, 8, 10 & 14 Eng. Cos.
Thursday	3	128	7.16	. . .	510 & 512 E. Lombard street.	Goldstrom Bros. & Pimes.	Furniture fac.	. . . . .	1. . .	Four-story brick.	Loss $15; recall 7.30 a.m.; lighted match dropped in benzine.
Thursday	3	141	10.53	. . .	President st. & Canton ave.	. . . . .	. . . . .	. . . . .	3. . .	One-story frame .	Loss $5; recall 11.03 a. m.; burning of a shed for exhibition of automatic sprinklers.
Thursday	3	134	. . .	6.44	Concord st., near Eastern ave.	Myohl & Lukens.	Lumber yard.	3	1, 3 .	. . . . .	Loss $198.22; recall 7.53 p.m.; incendiary.
Thursday	3	512	. . .	11.12½	4 E. Lombard st. . .	W. T. H. Jean. .	Drug & spice mill.	8 Chemical.	2. . .	Four-story brick.	Loss $45; recall 12.04 a. m. 4th; spontaneous combustion.
Friday	4	272	. . .	11.10	1041 Castle st.	Henry Lange & Sons.	Stable	9	5. . .	Two-story brick .	Loss $241.68; recall 12.55 a. m. 5th; unknown.
Sunday	6	156	12.16	. . .	904 S. Broadway. . .	Thos. Moran. . .	Saloon and dwelling.	. . . . .	3. . .	Three-story brick.	Loss $44.67; recall 12.49 a.m.; sparks from chimney.
Sunday	6	6	. . .	3.31	20 S. Calvert st. . . .	E. Larrabee & Sons.	Leather warehouse.	. . . . .	1, 2 .	Five-story brick and iron.	Loss $205; recall 4.25 p. m.; unknown.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1891.

DATE.		BOX.	HOUR A. M.	HOUR P. M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H. & L. COS.	STYLE OF BUILDING.	REMARKS.
Monday	7	314	3.19	. . .	300 W. Franklin st. .	Moses Adler . . .	Academy hotel.	8 Chemical.	4. . .	Four-story brick.	Loss $1,031; recall 3.51 a. m.; rats nibbling matches.
Monday	7	12	. . .	10.07	521 E. Baltimore st. .	W. Weisager. . . J. W. Bangert .	Clothing store Danc'g Acad.	4.	1. . .	Four-story brick.	Loss $678; recall 10.20 p. m.; unknown.
Friday	11	42	. . .	10.50	123 N. Paca st	Thos. G. Hanly . Pickering & Co.	Provision st'e Paper box fac.	1. . . . . 8 Chemical.	2. . .	Three-story brick.	Loss $477; recall 11.43 p. m.; hot ashes in a wooden box.
Saturday	12	525	7.58	. . .	122 Hanover st. . . .	Guest & Hedian..	Paper store & paper bag factory.	8 Chemical.	2. . .	Four-story brick.	Loss $1,013.99; recall 8.33 a. m.; sparks from stove pipe.
Sunday	13	531	. . .	12.12	715 Iceland st	Mary Mitchell. .	Dwelling . .	. . . . .	2. . .	Three-story brick.	Loss $14; recall 12.27 p. m.; sparks from chimney.
Sunday	13	32	. . .	4.13	215 St. Paul st.	S. Teackle Wallis.	Dwelling . .	8 Chemical.	2. . .	Four-story brick.	Loss $650; recall 5.34 p.m.; defective flue; ext. 1, 4 & 7 Engine Cos.
Monday	14	322	4.42	. . .	703 Druid Hill ave. .	Fred'k Schmidt .	Bakery and dwelling.	. . . . .	4. . .	Three-story brick.	Loss $359.57; recall 5.25 a. m.; unknown; ext. 7 Engine Co.
Tuesday	15	172	9.45	. . .	112 S. Patterson Park ave.	Chas. Clifford . .	Dwelling . .	. . . . .	3. . .	Three-story brick.	Loss $165.00; recall 9.55 a. m.; gas jet igniting curtains.
Tuesday	15	613	. . .	10.13	Foot Hughes st . . .	J. Frederick & Co.	Ice house . .	12	6. . .	Two-story frame .	Loss $35; recall 10.34 p. m.; sparks from furnace.
Wednesday	16	212	2.17	. . .	615 E. Baltimore st. .	Benj. Berry . . .	Tea and coffee store.	. . . . .	1. . .	Three-story brick.	Loss $175.76; recall 3.00 a. m.; hot ashes in a box.

Wednesday	16	31	. . .	11.20	324 North st	C. B. Burgan . . Duke & Holland Crew, Levick & Co.	Axle gr'se fac. Oil store. Commission warehouse.	4.	1. . .	Three-story brick.	Loss $50.24; recall 12.-27 a. m. 17th; slaking lime igniting floor.
Thursday	17	363	. . .	4.30½	612 Caroline alley . .	Geo. Coleman . .	Dwelling . .	. . . . .	4. . .	Three-story brick.	Loss $25; recall 4.49 p.m.; children playing with matches.
Friday	18	398	. . .	2.37	Charles Street ave . .	. . . . .	Woods. . . .	4 Chemical.	. . .	. . . . .	Loss none; recall 3.07 p. m.; boys playing with fire.
Saturday	19	525	6.25	. . .	5 W. Pratt st.	McDowell & Pryle	Candy fact'y.	. . . . .	. . .	Four-story brick.	Loss none; recall 6.30 a.m.; light in 3d st'y mistaken for fire.
Saturday	19	143	. . .	6.10	217 S. Spring st. . . .	Alonzo Davis . .	Dwelling . .	3.	3. . .	Two-story brick .	Loss $30; recall 6.41 p. m.; clothes of Henrietta Griffin taking fire from stove, she was burned to death.
Sunday 2d alarm.	20	353 . .	8.12 8.25	. . . . . .	N.C.Ry., near Boundary Avenue bridge, "annex."	Northern Central Railway.	Freight cars loaded with oil.	1, 6, 7, 8, 10, 13.	2, 4 .	. . . . .	Loss $2,360; recall 10.45 a.m.; collision of trains.
Monday	21	264	12.45	. . .	2117 E. Monument st.	Frank Trauchberg.	Grocery store & dwelling.	. . . . .	5. . .	Two-story brick .	Loss $400; recall 1.30 a. m.; coals dropping from stove; ext. 6 & 9 Eng. Cos.
Monday	21	451	. . .	12.13	605 Woodyear st. . . .	Sophia Sanders .	Dwelling . .	. . . . .	4. . .	Two-story brick .	Loss $25; recall 12.25 p.m.; children playing with matches.
Wednesday	23	172	12.19	. . .	108 S. Patterson Park ave.	Dr. Dan'l Stekins	Dwelling . .	. . . . .	3. . .	Three-story brick.	Loss $3; recall 12.29 a. m.; hot ashes in wooden box.
Wednesday	23	713	1.44	. . .	Foot Andre st.	Jas. Kennedy . .	Stable	12	6. . .	Two-story frame.	Loss $737.50; recall 3.-10 a. m.; unknown.
Wednesday	23	453	11.10	. . .	926 Whatcoat st . . .	Sophia Boors. . .	Dwelling . .	. . . . .	4. . .	Two-story brick .	Loss $26.80; recall 11.-37 a. m.; children playing with matches; ext. 13 Engine Co.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1891.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. Cos.	Style of Building.	Remarks.
Wednesday 23	61	. . .	10.09	127 E. York st. . . .	Geo. L. Sloan & Bro.	Stable	2, 4, 10, 15 . 8 Chemical.	2, 6 .	Two-story brick .	Loss $708.70; recall 12.54 p.m.; unkn'n.
Friday 25	25	. . .	9.19	2 Hubbard alley. . .	John Wright. . .	Stable	6, 9	5. . .	Two-story frame.	Loss $231; recall 10.20 p. m.; unknown.
Saturday 26	34	. . .	8.51	1014 N. Charles st . .	Louis Presbury .	Dwelling . .	. . . . .	4. . .	Four-story brick..	Loss none; recall 9.12 p. m.; burning chimney.
Sunday 27	215	. . .	6.20	Lexington st. & Rogers ave.	Wm. Dungee . .	Dwelling . .	. . . . .	. . .	Three-story brick.	Loss $27; recall 6.29 p. m.; explosion of coal oil lamp; ext. 6 Engine Co.
Monday 28 "Automatic."	884	. . .	2.14	416 E. Saratoga st . .	LeonhardtWagon Co.	Wagon fact'y.	. . . . .	. . .	Four-story brick.	Loss none; recall 2.27 p. m.; heat from fire to cut tires.
Tuesday 29	414	1.20	. . .	9 S. Howard st. . . .	F. A. Davis & Co. S. White & Sons.	Tobac.& cig's. Hats & caps.	1, 15 . . . . 8 Chemical.	2. . .	Five-story brick .	Loss $1,200; recall 2.19 a. m.; unknown.
Tuesday 29	526	. . .	4.59	105 W. Camden st . .	Geo. Feldpush. .	Barber shop & dwelling.	2	6. . .	Three-story brick.	Loss $65; recall 5.11 p. m.; unknown.
Tuesday 29	182	. . .	7.24	Foot of Burke st. . .	. . . . .	Wooden caboose.	. . . . .	3. . .	Caboose lying in yard.	Loss $15; recall 7.42 p. m.; incendiary.
Wednesday 30	414	. . .	5.30	9 & 11 N. Howard st.	Howard Bokee. .	Crockery st'e.	1, 2, 3, 4, 5, 6, 7,	1, 2, 4, 6	Four-story brick.	Loss $13,875; recall 10-14 p. m.; unknown.
2d alarm.	. .	. . .	5.49		Rouse, Hempstone & Co.	Wholesale Notions.	8, 9, 12, 15. 8 Chemical.			
Gen'l alarm	. .	. . .	5.55							
Wednesday 30	53	. . .	6.14	Clifford st., near Scott street.	Jacob Graus . . .	Stable	13	5. . .	One-story frame .	Loss $225; recall 6.59 p. m.; unknown.
Wednesday 30	482	. . .	8.27	Foot of Catherine st .	B. & O. R. R. Co.	Office shed. .	14 . . . . . 1 Chemical.	. . .	One-story frame .	Loss $200; recall 9.18 p. m.; collision of trains.
Thursday 31	141	8.33	. . .	809 Eastern ave . . .	Antonia Baccigalupi.	Dwell'g & banana warehouse.	. . . . .	1. . .	Three-story brick.	Loss $20; recall 8.50 a. m.; explosion of gasoline stove.

Thursday	31	7	. . .	4.56	117 E. Fort ave. . . .	John Gronewell .	Dwelling . .	12	. . .	Two-story brick .	Loss none; recall 5.03 p. m.; disconnected stove pipe.
Thursday	31	383	. . .	5.17	1738 Druid Hill ave .	Jas. M. Isaacs . .	Dwelling . .	13	. . .	Three-story brick.	Loss $13.75; recall 5.20 p. m.; gas jet setting fire to window curtain.
						45					

Total Fires and Alarms	465	—Loss	$641,353 90
Total Silent Fires and Alarms.	211	—Loss	8,655 83
Total.	676	Total. . .	$650,009 73

Number of Fires and Losses each year since the Organization of the paid Fire Department.

YEAR.	NO. OF FIRES.	LOSSES.
1859	98	$350,000 00
1860	112	310,000 00
1861	115	60,000 00
1862	130	83,000 00
1863	138	120,482 33
1864	143	163,528 49
1865	163	71,358 00
1866	178	181,115 00
1867	193	293,045 00
1868	145	76,244 75
1869	187	398,259 09
1870	203	432,717 07
1871	226	475,391 00
1872	245	300,000 00
1873	265	892,628 58
1874	384	506,826 15
1875	348	608,351 30
1876	332	563,248 78
1877	420	438,715 57
1878	371	162,312 78
1879	306	192,654 54
1880	343	580,290 09
1881	324	454,773 35
1882	358	330,113 84
1883	399	561,520 00
1884	388	617,871 79
1885	474	441,743 06
1886	430	896,527 12
1887	496	1,162,359 26
1888	602	1,272,478 82
1889	545	477,329 07
1890	594	441,152 65
1891	676	650,009 73
The total loss by fires in 33 years has been		$14,566,047 21

REPORT

—OF THE—

SUPERINTENDENT

Police and Fire Alarm Telegraph.

REPORT.

BALTIMORE, January 1st, 1892.

To the Honorable Board of Fire Commissioners.

GENTLEMEN:

I herewith submit my report of the extensions, alterations, improvements, &c., made in this department during the year ending December 31st, 1891.

While the service has been very satisfactory, still we have had drawbacks, over which we had no control, such as contact with electric light wires, which damaged our system to the extent of about two thousand dollars, beside depriving important sections of our City from communication with the Fire Department for hours.

With this introductory I proceed to give a detailed statement of work done each month, treating further on such matters as are considered of importance to the department.

January.—Only ordinary repair work was done during this month.

February.—No work requiring special mention was done during February.

March.—Run loop to residence of Captain Cadwallader, on Brune street, near Clark; extended No. 2 Alarm Circuit from Pennsylvania avenue and Hoffman street to Myrtle avenue, thence to his residence. Put new lock on gong at No. 6 Engine House.

April.—Removed Indicator from Chief Engineer's Office (City Hall) to No. 15 Engine House. Changed Box 18 to new pole, put up by Telephone Company.

May.—Put up two thirty-five foot poles at Lee and Light streets; five thirty-five on Hughes street, between Johnson and Covington streets; two thirty-five foot on Cross street, between Johnson and William streets; two thirty-five foot Clement and Webster streets; four thirty-five foot on Cross street; five thirty-five foot on Fort avenue, between Light and William streets; one forty-five foot Light and West streets; one forty foot Fort avenue and Light street; four thirty-five foot on Light street, between Fort avenue and West street; two thirty-five foot Sharp and Montgomery streets; one thirty-five foot, one forty and two forty-five on Sharp street, between Barre and Hill streets; five thirty-five foot on Bayard street, between Ridgeley and Warner streets; four forty-foot on Lemon alley, between Fremont and Parkin streets; one thirty-five foot corner Lombard and Scott streets; two thirty-five foot Baltimore street and Carrollton avenue; four

thirty-five foot on Morton alley, between Preston and Chase streets; two forty and one thirty-five foot corner Charles and Reade streets; one forty and eight thirty-five foot on Chester street, between Gay and Biddle streets; two forty on McKim street, between Eager and McKim streets; six thirty-five foot on Patterson Park avenue, between Orleans and Monument streets; seven thirty-five foot on Spring street, between Boundary avenue and Federal street; eight thirty-five foot on Sycamore avenue, between Union and Third avenues; six forty and one forty-five on Johnson street, between Cross street and Fort avenue; one fifty-five and one forty-five on Gorsuch avenue, between Old York road and Independence street; three forty-foot on Independence street, between Gorsuch avenue and Oxford avenue.

June.—Changed Box 613 from old to new pole, and changed old wires on Hughes street, between William and Covington streets. Changed all wires on Johnson street, between Cross street and Fort avenue; changed all wires on Cross street, between Johnson and William streets; changed all wires on Fort avenue, between Johnson and Light streets; changed all wires on Sharp street, between Barre and Montgomery streets; changed all wires on Lemon alley, between Fremont and Callender alley. Took slack out of all wires on Charles street, between Cross and Ostend streets. Changed Box 426 from old to new pole. Changed wires on Reade street, between Morton alley and Hargrove alley. Changed thirteen poles at Falls road and Fifth ave-

nue, in way of workmen lowering grade. Took slack out of all wires on Hargrove alley, between Centre and Reade streets. Changed and straightened all wires on Morton alley, between Reade and Oliver streets. Took No. 11 Box Circuit out of alley north of Boundary avenue and run it along Boundary avenue, between John street and Park avenue, to straighten lines. Changed wires on Greene street to new poles. Run new copper wire on Water Board line from Boundary to Lake Roland. Put new Boxes, 268, 269, 176, 518, 438, 399, 274, 439, in service. Changed the route of 17 Circuit from Fayette street and Collington avenue, along Fayette street to Patterson Park avenue, to Monument street, to Wolfe street, to Orleans street, where tapped old lines. Changed 23 Box Circuit from old to new poles and changed route of No. 12 Circuit from Madison and Boundary avenue, along Boundary avenue, to Pennsylvania avenue and Cumberland street. Changed route of 11 Circuit from Laurens and Bolton streets, along Laurens street to Madison avenue, where we tapped old line; changed route of No. 6 Box Circuit at Clay and Park streets to Saratoga street, to Greene street, to Fayette street, where tapped old Circuit; changed route of Box Circuit 23 from Clay and Park, along Park to Saratoga street, to Greene, to Fayette, where old line was tapped. Looped in Box 418 on 23 Circuit. Changed Box 42 from 6 Circuit to 12 Circuit; changed Box 419 from 12 Circuit to 6 Circuit. Took down old wires on Fayette, Paca, Lexington, Howard and Clay streets. These changes were made

to straighten lines and to get away from electric light wires, thereby lessening danger of trouble.

July.—Changed all wires to new poles on Fremont avenue, between Lexington street and No. 13 Engine House, and took down old poles.

August.—Put up one forty-foot pole Richmond street and Morton alley. Changed Box 63 to new pole; changed Box 185 to new pole, and took down old one. Run six wires from Eastern avenue and Ann street, along Ann street to Commercial wharf, thence to 16 Engine House. Put up three poles in alley going to Commercial wharf; put up new pole on Huntingdon avenue extended, to clear derricks of Belt Railroad Company. Reset two poles on Mine Bank lane near Monument street. Took out slack from all wires on Ann street, between Pratt and Thames streets. Put keyless doors on following boxes: 14, 124, 125, 128, 131, 134, 132, 212, 213, 218, 241, 242, 248, 312, 314, 316, 317, 319, 321, 32, 322, 365, 416, 417, 419, 42, 423, 425, 43, 431, 436, 514, 52, 523, 61. Put large and small gong in No. 16 Engine House. Moved pole corner Maryland avenue and Oliver streets, in way of sewer.

September.—Put up seven thirty-five foot poles on Maiden's Choice road, between Frederick avenue and Wilkins avenues and changed wires. Re-run wires in No. 3 Engine House.

October.—Put new box 389 in service, extended for that purpose, wires from Pennsylvania avenue and Retreat street along Reisterstown road to Pimlico road to Gordon's lane, thence to three and one-half mile house, where box is located.

November.—Run new wires and changed instruments in No. 15 Engine House, on Lombard street. Re-run wires in house of Chief Engineer. Changed telephone switch in office of Chief Engineer. Moved two poles on Mount street, between Franklin street and Edmondson avenue, in way of kerbing.

CONDITION OF LINES.

The general condition of the lines is good. The change from iron to copper wire shows admirable results, and the improvement in the service is marked. One point, however, I wish to call attention to. The Telephone Service, which is very important to an efficient Fire Department, has been rendered almost useless after dark by induction from electric light wires; something must be done to remedy this, or abandon the telephone after nightfall.

The Police Department having trouble from the same source, run a parallel wire to the old circuit in the Western District, which has made it now very serviceable.

Our telephone circuit is a very long one, connecting all the Engine and Truck Companies in the City, and

could not expect to be made as perfect as in the case mentioned. Still there is no doubt the adoption of the same plan would greatly improve its working, and bring it back to its former usefulness.

Fifteen hundred dollars has been added to the estimate for 1892 for this purpose.

ALARM BOXES PLACED IN SERVICE DURING THE YEAR.

176 Orleans street and Patterson Park avenue.
268 Spring and Federal streets.
269 Monument and Cannon streets.
274 Biddle and Chester streets.
389 Three-and-a-half Mile House, Reistertown road.
399 Sycamore and Third avenues.
438 Scott and Lombard streets.
439 Arlington avenue and Lombard street.
518 Bayard and Warner streets.

ALARM BOXES NEEDED.

Cathedral and Saratoga streets, with keyless door.
Eutaw Place and Mosher street, with keyless door.
Madison avenue and Orchard street, with keyless door.
Holliday and Saratoga streets, with keyless door.
Wilson and Etting streets, with keyless door.
Washington avenue and Baltimore and Ohio Railroad, with locked door.
Howard and Dover streets, with keyless door.
Howard and Hamburg streets, with keyless door.

Conway and Light streets, with keyless door.
Fremont and Baltimore streets, with keyless door.
Howard and Garrett streets, with keyless door.
Charles street and Bank lane, with keyless door.

LACK OF PROTECTION IN ANNEX.

This part of our City is still very poorly protected as far as alarm boxes are concerned. In many places it is more than a half-mile from box to box. The time lost in reaching an alarm box allows a fire to gain much headway before the department can be notified of its existence. Again when boxes are so far apart the engines are carried blocks away, making it doubly dangerous. The importance of the matter should make it a matter for prompt consideration.

KEYLESS DOORS TO ALARM BOXES.

We have now sixty-four keyless doors, thirty-five being placed in service during 1891. There can be no question of their advantage to the department. As stated before, persons discovering a fire can sound the alarm without the unnecessary delay of looking for a key, which saves precious time in its incipiency. These doors should be added to each year, uniil every Box in the City has them. I, therefore, recommend them being placed on the following Boxes, viz: Nos. 135, 145, 147, 153, 154, 162, 165, 171, 182, 217, 26, 247, 426 and 432.

UNDERGROUND WIRES.

Again attention is called to this most important matter. There can be no reasonable argument against it. The unsightly poles, the network of wires, the obstruction to the Fire Department, the danger to our firemen in discharge of their duty, the fact that any person walking along the streets during times of storm might tread upon, or touch in some way, an apparently harmless wire and meet instantaneous death, should be proof positive that it has become a public necessity to place all wires carrying electric currents beneath the surface.

When it is also considered that the Fire Alarm Telegraph is the right arm of the Fire Department, we being depended upon to notify them of and locate all fires, the importance of every precaution being taken to preserve and advance the efficiency of the system can be understood. Four times during the past year we have been crossed with electric light wires, on two occasions the alarm boxes protecting what is known as the Dry Goods District, where warehouses are stocked from cellar to roof with valuable and combustible material, were badly damaged and this territory was unprotected during the entire night.

In such cases we can only notify the Police Department that certain boxes are out of service and have the Chief Engineer order firemen to patrol the district.

Such dangers should not be overlooked and prompt action should be taken.

Last year my report contained a recommendation to begin this great work by placing the Fire Alarm and Police wires in the subways of the Chesapeake and Potomac Telephone Company, as far as practicable, (the right of which was reserved by the City in the ordinance granting their underground privileges), and building such subsidiary conduits as might be necessary to reach the alarm and patrol boxes in the following district:

From the City Hall to No. 6 Engine House, Gay and Ensor streets, to No. 7 Engine House and No. 4 Truck, Biddle street near Druid Hill avenue; to No. 1 Engine and No. 2 Truck House, Paca street near Fayette; to No. 2 Engine House, Barre street near Sharp; to No. 3 Engine House, Lombard street between High and Exeter streets, connecting in No. 1 Truck on Harrison street, No. 4 Engine Company, on Lexington street near North street, and No. 15 Engine Company, on Lombard street near Eutaw.

This would permit of positive communication with seven engine companies and three hook and ladders at all times, no matter what the overhead disturbances.

This district would be bounded by Greene street on the west, by Exeter street on the east, by Madison street on the north and by Barre street on the south, and covers two-thirds of the assessable property of our City.

This matter will again be placed before our Councils for their action. The danger we were in can be best appreciated by a statement of the location of boxes damaged and out of service:

513 Lombard and Sharp streets.
413 Salvage Corps.
523 Eutaw and Conway streets.
7 No. 12 Engine House.
712 Clement and Jackson streets.
534 Ridgely and Hamburg streets.
526 Sharp and Camden streets.
312 Park and Clay streets.
423 Baltimore and Pine streets.
74 Claggett and Andre streets.
613 Hughes and Covington streets.
53 No. 10 Engine House.
122 *Sun* office.
419 Eutaw and Saratoga streets.
62 Light and Cross streets.
75 Hull and Nicholson streets.
517 Bayard and Ridgely streets.
438 Scott and Lombard streets.

For years this matter has been urged by me and I feel that this short statement will be all that is necessary to bring the matter under discussion at the proper time when it can be treated with more detail.

OUTSIDE LINES.

The Water Board line has been finished with copper wire to Lake Roland, and the improved service is notable;

it will not require more than the usual spring overhauling, for which a small appropriation is asked for in my estimate.

The Marine Hospital line gives fair service, and the usual appropriation for repairs and maintenance will be asked for.

BAYVIEW AND HOUSE OF CORRECTION LINES.

These lines are both doing fair service, and will only require the usual appropriation for repairs, &c., which is asked for.

MATERIAL ON HAND IN BATTERY DEPARTMENT.

8 barrels of blue stone.
500 4-pound zincs.
250 new coppers.
25 cells Leclanche battery.
1 large scale.
2 copper scoops.
2 copper plates.
1164 cells of Gravity battery (in use).
12 cells of Leclanche battery (in use).

And a lot of old material not worthy of special mention.

MATERIAL NECESSARY FOR BATTERY DEPARTMENT.
FOR 1892.

45 barrels of blue stone.
1600 4-pound zincs.
1000 coppers.
100 cells Leclanche battery, complete.
200 packages sal. ammoniac.
250 gravity jars.
100 binding posts.
25 cells Leclanche battery.
30 gallons monarch battery oil.
1 pair of plyers.
100 Leclanche zincs.
2 battery brushes.
2 buckets.
1 box soap.
2 gallons turpentine.
5 pounds black paint.
1 gallon hard oil.
1 dusting brush.
25 pounds waste.
3 rolls gum tape.

MATERIAL FOR CENTRAL OFFICE.

2 office diaries.
3000 sheets department paper.
3000 department envelopes.
100 sheets emery paper.

MATERIAL ON HAND IN LINEMAN'S DEPARTMENT.

30 6-pin cross arms.
40 4-pin cross arms.
25 2-pin cross arms.
50 bolts and washers.
4 new shovels.
6 old shovels.
12 pike poles.
5 digging irons.
2 wire reels.
2 saws.
1 small truck.
2 monkey wrenches.
8 drawing knives.
1 3-inch auger.
2 cold chisels.
1 grinding stone.
3 pair of plyers.
7 bitts.
3 cant hooks.
3 screw drivers.
2 tamping bars.
2 hand axes.
1 chopping axe.
2 straps and vises.
2 miles of copper wire.
50 glass insulators.
20 rubber hooks.
100 galvanized staples.
1 gross ½-inch screws.
20 pole brackets.
½ keg spikes.
50 feet small rope.
75 feet large rope.
1 brace.

And some old material.

MATERIAL NECESSARY FOR LINEMAN'S DEPARTMENT.

300 poles, different sizes.
500 four-pin cross arms.
100 six-pin arms.
100 two-pin arms.
50 T arms.
50 backboards.
1 doz. bottles watch oil.
2 chisels.
½ dozen bitts, different sizes.
10 miles copper wire.
1500 feet Grimshaw wire.
50 pounds office wire.
6 new shovels.
6 pair plyers.
500 glass insulators.
6 rolls of gum tape.
300 office charts.

8 pike poles.	300 staples.
1 oil stone.	2 cant hooks.
400 feet of rope.	2 gross of screws.
100 pole brackets.	100 rubber hooks.
150 pounds of nails.	150 porcelain knobs.
50 pounds of solder.	1 brace.
5 gallons linseed oil.	1 benchvise.
50 caps for pipe.	1 gasoline fire pot.
3 saws.	1 pole truck.

ESTIMATE OF EXPENSES FOR 1892.

	Per annum.
1 Superintendent	$2,000 00
4 Operators, $1,200 each	4,800 00
1 Chief Lineman	1,200 00
2 Assistant Linemen, $1,000 each	2,000 00
1 Batteryman	1,200 00
Total salaries	$11,200 00
Material and labor for general repairs	3,000 00
Batteries, &c	2,900 00
Wear and tear of line	1,000 00
Electrical apparatus, City Hall	100 00
Striking apparatus	75 00
Feed and horseshoeing	400 00
House of Correction line	200 00
Water Board line	500 00
Marine Hospital line	250 00
Amount carried forward	$19,625 00

Amount brought forward	$19,625 00
Bay View line	100 00
New wagon for repair department	350 00
1 horse for lineman's department	300 00
Maintenance and repair of lines in Annex ..	1,000 00
	$21,375 00
For improvement of Telephone Service	1,500 00
	$22,875 00

The following are the employees of this Department:

Operators—H. P. Lucas, Frank L. McAleese, Alex. Crummer, James F. O'Mailey.

Substitute Operator—Jno. J. McCoy.

Chief Lineman—Jno. M. Nugent.

Assistant Linemen—Chas. J. Hellings and Samuel A. Knouse.

Batteryman—Robert Kain.

Thanks are tendered the members of the Police and Fire Department for assistance rendered, and to the employees of this Department for prompt and faithful discharge of duty.

Respectfully yours,

CHAS. J. McALEESE,

Supt. Police and Fire Alarm Telegraph.

ANNUAL REPORT

— OF THE —

General Superintendent of Lamps

— AND —

Inspector and Sealer of Gas Meters,

— TO THE —

MAYOR AND CITY COUNCIL OF BALTIMORE,

— FOR THE —

Fiscal Year Ending December 31st, 1891.

REPORT.

OFFICE OF THE GENERAL SUPERINTENDENT OF LAMPS AND INSPECTOR AND SEALER OF GAS METERS.

BALTIMORE, December 31st, 1891.

To the Honorable the Mayor
and City Council of Baltimore.

GENTLEMEN:

I have the honor of presenting the thirteenth annual report of this Department, showing receipts, disbursements and the general affairs relating to the lighting of the City of Baltimore for the year ending December 31st, 1891.

There are now in use in the City proper 4,703 gas lamps. Many more have been asked for and are needed, but the appropriations were not large enough to authorize their erection.

The City has no contract for its supply of gas, but pays $1.25 per 1000 cubic feet, the same rate as that paid by the private consumer.

There are in the City proper nine hundred and sixty-two (962) electric arc lamps, and thirty-two (32) electric incandescent lamps are in Madison Square, they having been placed in the lanterns of the former gas lamps, and in summer time, when the foliage is dense, the pathways of this square are better lighted than those where electric arc lamps are used.

The City has a contract with the Brush Electric Company for its electric arc lamps.

This contract runs for five (5) years, from June 1st, 1890, with the privilege to the City to annul it at the expiration of two (2) years, should it be deemed desirable. The contract rate is 35 cents a night for each lamp.

The number of gasoline lamps in use in the City proper is 639. These lamps are erected in sections of the City not supplied with gas mains.

The gasoline lamps of the City proper are furnished with fluid and burners, filled and repaired by contract with F. W. Dryden, Esq., at a cost to the City of $11 each per annum. This contract will expire on 30th June, proximo.

Complaints are constantly received that the lamps are not lighted in some sections early enough, and that, in others, they are put out too soon; but, though the complaints are justified, this trouble cannot be avoided, unless some are lighted long before sundown, or some

put out long after sunrise, for the territory over which each and every lamplighter has to move is so large it is impossible to do away with the cause of complaint.

There are now in use in the Annex five hundred and thirty-four (534) gas lamps, five hundred and nineteen (519) gasoline lamps and three (3) electric arc lamps, though six (6) more electric arc lamps were ordered to be erected by resolution of the Mayor and City Council, and should now be in service; and it is to be presumed that the Brush Electric Company will put them up as soon as their facilities will allow them.

The electric and gas lamps are in service in the Annex on the same terms as those in the City proper, but the gasoline lamps are filled with fluid by contract with W. B. Chappell, contract rate $7.50 per annum—the City doing all necessary repairs. This contract expires 30th June, proximo.

Your attention is called to the trouble caused by the placing of telegraph, telephone and electric light poles in close proximity to some of the City lamps. This department has no authority to check the annoyance, and the proper lighting of streets and sidewalks is interferred with by these poles.

At present there are six Superintendents of Lamplighters in the twenty-two Wards of the City, five for the City proper and one for the two Annex Wards. These Superintendents are supposed to keep a general supervision of the actions of the lamplighters, and to

see that the lamps in their several districts are lighted and extinguished at the proper hours, and kept in proper repair and condition, but owing to the extended territory over which they one and all have to move, they cannot give proper attention to the whole of their districts in any one night, and as a result, many derelictions of lamplighters never get to the knowledge of the General Superintendent. The duty of properly lighting a great City like Baltimore is one that requires constant and careful attention, and a department organized for a much smaller city is not in shape to cope with the requirements of a great one.

The force at the command of the General Superintendent is inadequate. A proper performance of his duties would necessitate his being out of his office at least three-fourths of his time, but the numerous clerical duties, which require his constant attention in the office, make it impossible for him to exercise the general supervision so needed for the proper working of a department charged with the important duty of lighting the streets of the City of Baltimore.

The gas and oil lamps of the City are in vastly better condition than they were a year ago, and can be kept so if the lamplighters promptly obey the rules of the department.

With a few exceptions, there has been in the past year marked improvement in the efficiency of the whole force of lamplighters, many of them taking

great pride in their work. The few who still need watching, will, I hope, soon be shamed into doing the work required, and not make it necessary for the department to ask that others be appointed to take their places.

The inspection and sealing of meters requires the constant attention of either the General Superintendent or his one clerk, from 9 A. M. until 3 P. M.

This is an important work, but the duties of Meter Inspector should not be allowed to interfere with those of the General Superintendent of Lamps, as is now necessarily the case. But there is really no good reason why this department should be charged with the work of testing meters, any more than with that of testing the illuminating power of the gas and oils used in the City.

I recommend a thorough reorganization of the department and the separation of the duties of Inspector and Sealer of Meters from those of the General Superintendent of Lamps.

The fees for testing meters which are paid to this department and then immediately paid over to the City Comptroller, amount to over $2,000 a year, so the office can easily be made self-sustaining.

I am very respectfully yours,

W. STUART SYMINGTON,

General Superintendent Lamps, &c.

LIST OF TABLES.

Table A exhibits the number and size of gas meters inspected and sealed, also those rejected as being incorrect or otherwise out of order.

Table B shows the amount received by the Department and paid to the Register on warrants from the Comptroller.

Table C exhibits the amount of appropriation and amount expended, with deficiency of the gas and electric light account.

Table D exhibits the amount of appropriation and amount expended, with balance unexpended of the lamp-pillar and lamp account.

Table E exhibits the amount of appropriation and amount expended, with deficiency of the gas and electric light account, City Annex.

Table F exhibits the amount of appropriation and amount expended, with balance unexpended of the lamp-pillar account, City Annex.

Table G exhibits the amount of appropriation for incidentals—for keep of horse and wagon for General Superintendent and for keep of horse and wagon for the Superintendent of the Annex—with amount expended on those accounts.

Table H shows the amount required for the year ending December 31st, 1892, for the City proper, and the deficiency for 1891.

Table I shows the amount required for the year ending December 31st, 1892, for the City Annex, and the deficiency for 1891.

TABLE A

Exhibits the number and size of Meters inspected, also those rejected as incorrect.

	Size and Number of Meters Inspected and Sealed.										
Size of Meters.....	2	3	5	10	20	30	45	60	100	150	200
Number of Meters.....	29	1,724	6,299	429	125	8	6	10	7	3	1

	Size and Number of Meters Rejected as Incorrect.						
Size of Meters.....	2	3	5	10	20	30	150
Number of Meters.....	4	81	110	5	5	2	1

In addition to the above there were twenty-three (23) street lamp, market and engine-house meters taken out and inspected, fifteen (15) of which were incorrect.

TABLE B

Shows the amount received by the Department and paid to the Register on warrants from the Comptroller.

Inspecting Gas Meters	$2,059 50
Repairs of Lamps	246 10
	$2,305 60

TABLE C

Exhibits the amount of appropriation and amount expended, with deficiency of the gas and electric light account.

Appropriation for gas and electric lights.	$230,000 00
Amount expended	230,000 00
Deficiency for 1891	$1,500 03

TABLE D

Exhibits the amount of appropriation and amount expended, with balance unexpended of the lamp-pillar and lamp account.

Appropriation for lamp-pillars and lamps.	$15,253 97
Amount expended	14,793 52
Balance	$460 45

TABLE E

Exhibits the amount of appropriation and amount expended, with deficiency of the gas and electric light account, City Annex.

Gas and electric light account	$11,089 24
Amount expended	11,089 24
Deficiency for 1891	$1,422 45

TABLE F

Exhibits the amount of appropriation and amount expended, with balance unexpended of the lamp-pillar and lamp account, City Annex.

Lamp-pillar and lamp account	$5,000 00
Amount expended	4,997 83
Balance	$2 17

TABLE G

Exhibits the amount of appropriation for incidentals—for keep of horse and wagon for General Superintendent and for keep of horse and wagon for Superintendent of Annex—with the amount expended on those accounts.

Incidentals	$100 00
Amount expended	99 20
Balance	80
Keep of horse and wagon for General Superintendent	$300 00
Amount expended	300 00
Keep of horse and wagon for Superintendent of Annex	$300 00
Amount expended	300 00

TABLE H

Shows the amount required for the year ending December 31st, 1892, City proper.

Lamp-pillars and lamps, which includes gasoline lamp supplies and repairs, gas and gasoline posts, repairs to lanterns, globes, street signs, &c.	$ 15,000 00
Gas and electric lights, which includes the gas and electric lights on streets, and in squares, markets, halls, bridges and Washington Monument, &c.	270,712 95
Deficiency in gas and electric light account	1,500 03
Keep of horse and wagon for the General Superintendent	300 00
Incidentals (office General Superintendent Lamps)	100 00

TABLE I

Shows the amount required for the year ending December 31st, 1892, City Annex.

Gas and electric lights, including gas for street lamps, erecting and removal of lamps, straightening posts, renewal of services, etc.	$15,727 90
Deficiency in gas and electric light account	1,422 45
Lamp-pillars and lamps, including gasoline lamp supplies and repairs, gas and gasoline posts, lamps or lanterns, globes, lamp-wick, etc.	6,832 70
Keep of horse and wagon for Superintendent of Annex.	300 00

ANNUAL REPORT

— OF THE —

HARBOR BOARD

— TO THE —

Mayor and City Council of Baltimore,

— FOR THE —

Fiscal Year Ending December 31st, 1891.

Harbor Board of Baltimore,

JANUARY, 1892.

F. C. LATROBE, MAYOR,

President ex-officio.

JAMES S. WOODSIDE,
Secretary of Board.
EDWARD J. CODD.
HENRY WILLIAMS.
} *Executive Committee.*

FIELDER C. SLINGLUFF.

MARTIN WAGNER.

J. VERNON CAMPBELL.

N. H. HUTTON, *Engineer.*

J. H. IRVIN, JR., *Clerk.*

REPORT.

OFFICE OF THE HARBOR BOARD,

BALTIMORE, January, 1892

To the Honorable the Mayor
and City Council of Baltimore.

GENTLEMEN:

The undersigned have the honor, by direction of the Harbor Board, to submit the following report of operations of the works under their charge during the year ending December 31st, 1891, which will be grouped under the headings as below:

Harbor—

Which embraces all works of improvement by dredging, the general police of the river and harbor, to insure observance of all laws relating to the harbor (except duties of the Harbor Masters).

Wharves—

Which includes building and repair of public wharves and such supervision of private wharves as required by law

Iceboat—

Which refers to the operation and maintenance of the City Iceboat F. C. Latrobe.

Removal of Ashes—

Which relates to the protection of the harbor from injury by deposits of ashes from towboats, by removing every excuse that could possibly be advanced for a violation of the law.

Harbor Laws –

Relating to the compilation of all laws and regulations affecting the harbor.

For the year there was appropriated for all works under the Board:

For Harbor	$50,000 00
For Channel to Bush Street Dock (balance)	1,115 63
For repair of wharves and removing Cross Street Wharf	3,250 00
For Iceboat	10,000 00
For removal of ashes	5,000 00
For Harbor Laws	150 00
A total of	$69,515 63
Of which unexpended balances were	19,799 98
Leaving new appropriations of	$49,715 65
There was paid out during the year, as set forth in detail hereafter	$65,390 90
Leaving unexpended balances of	$4,124 73

Mainly from accounts for iceboat and removal of ashes

HARBOR.

The appropriation under this heading for 1891 was, as stated	$50,000 00
But from this sum the amount due for dredging in 1890, and which the Board was restrained from paying in 1890 by injunction, should be deducted	13,516 35
Leaving for work of 1891	$36,483 65

After due advertisement, proposals for dredging were opened on June 19, 1891, and the contract awarded to the Baltimore Dredging Company (the lowest bidders) at the rate of seventeen cents per cubic yard for all work in the Back Basin and docks, and thirteen cents for all work in main harbor and channels and in Middle Branch (Spring Gardens).

Operations were commenced by the contractors in August and completed in November. They removed 158,596 cubic yards at an average cost of $14\frac{47}{100}$ cents per yard.

The results of their work were: To remove deposits to 15 feet depth in the Back Basin (or City Dock) over an area of 128,159 square yards, and from the following docks and sewer mouths to depths varying from 12 to 18 feet at low water: Mouth of Harris' Creek Sewer; foot of Lancaster street; Washington street; Broadway, and Cross street; mouth of Frederick Street Dock, and corner of Light and Pratt streets;

the harbor off mouth of Harris' Creek; and to 27 feet off the end of the Baker-Whiteley Coal Company's new pier. In the Middle Branch deposits were removed to 12 and 14 feet depth at head of basin near Eutaw and Howard streets, and the normal depths reestablished in main channel above Moale's Point. Some work was also done below the new draw in Light Street bridge. The area covered by these excavations was about 26½ acres, and the average depth of cutting was 3⅔ feet.

The annual surveys of the harbor show a slow but increasing shoaling of the upper and middle harbor and, as might be expected, a more rapid filling in the Middle Branch. Examinations of Jones' Falls above Canton Avenue bridge indicate the obliteration of all work done in 1890, and the Board renews its recommendations of last year, which is quoted as below:

"The experience of this Board during the past year in connection with the removal of deposits from Jones' Falls, as well as a review of the experiences of our predecessors in this work (the Jones' Falls Commmission), has resulted in the conviction that if it is considered necessary for sanitary or other reasons to maintain a given depth (say ten feet) in this stream below Gay street, some other means than those hereto fore in use must be adopted.

"Continuous dredging, at least from April to November inclusive, will be necessary, and to insure economy, special machinery must be devised, to reduce the cost

of moving dredges and scows under bridges, and where tow-boats cannot be used, as well as for dredging *under* the various bridges.

"In order to obtain the best results, it will be necessary to guarantee to bidders the continuance of the contract for a series of years; enough at least to furnish a reasonable expectation that they will be re-imbursed for the cost of special machinery procured for the work, with a reasonable profit; and if the work is to be continued, we recommend the adoption of this plan."

Understanding that there is a reasonable ground for believing that the great obstruction at the harbor mouth, caused by Foley's wharf, may be removed, it will be necessary to secure the advantage of its removal, by carrying the deep water over the ground occupied by it, as well as above and below it, in order to afford a fair way in this throat of the harbor, and almost its narrowest part.

During the year the National Government has pushed the work of increasing the width of ship channels in the river and bay to 600 feet width, under the direction of Colonel Craighill, and they are now practically completed to that width for over two-thirds their length. Since last March, over three million cubic yards have been excavated and removed in the prosecution of this work.

WHARVES.

The pier at the City Yard for mooring tug and ice-boat was rebuilt, the old wharf at the foot of Cross street was removed, and a stone bulkhead built at street end to connect with mouth of sewer; about 86 feet of stone bulkhead was built on the west side of Long Dock, platform repaired, &c.; the wharf at foot of Commerce street was repaired with new floor, stringers and fender piles; and small repairs were made to South, Bowly's and Pratt Street wharves.

Expenditures on this account were.....	$3,124 44
And unexpended balances.....	125 56

ICEBOAT.

The appropriation for this boat was.....	$10,000 00
The expenditures were	7,646 09
And unexpended balance	2,353 91

The boat is in fair condition and ready for service, though it will be absolutely necessary very soon to make repairs to upper works and house.

No occasion arose during the year for using the boat as an ice-breaker.

Twelve excursions were made in the interest of the Free Summer Excursion Society (as directed by law), and 14,769 persons were carried to and from Chesterwood on these trips.

These trips cost about one hundred dollars ($100) each, or $1,200 per annum, which amount is paid out of the general appropriation for the iceboat, and since 1879, one hundred and forty (140) of these excursions have been made at a cost of about $14,000.00.

REMOVAL OF ASHES.

As directed by Ordinance 32 of 1891, the Board purchased a suitable scow for the receipt of ashes from towboats, which has been in use for this purpose since the middle of June, and cannot but have been of great assistance to owners of towboats.

The deposit of ashes in the river and bay, as well as of ballast from steamships, is currently believed to be extensively practiced. The means of prevention are difficult to determine, but, as suggested by our Engineer, much might be done by the owners or consignees of such vessels who must have means of knowing whether ashes and ballast are put off IN the harbor or OUTSIDE of it.

Expenditures on this account were..... $3,523 77
And unexpended balance..... .. .... 1,476 23

HARBOR LAWS.

This very necessary compilation and printing of all laws and ordinances has been completed, and copies of the pamphlet distributed to all persons requiring or requesting them.

Expenditures on this account were..... $95 60
And unexpended balance..... 54 40

ESTIMATES FOR 1892.

The Board considers the following amounts necessary for the proper conduct of its work during 1892, and would respectfully request their appropriation:

For harbor.....		$50,000 00
For widening mouth of harbor		25,000 00
For repairs to wharves.....		5,000 00
For Iceboat—		
Unexpended balance.....	$2,353 91	
New appropriation	12,646 09	
		15,000 00
For new boiler and repairs to tug.....		6,000 00
For removal of ashes (unexpended balance).....		1,476 23
Making a total of.....		$102,476 23

For details of expenditures and work, reference is respectfully requested to the report of the Engineer of the Board and to the tabular statements submitted therewith.

On behalf of the Board,

HENRY WILLIAMS,
EDWARD J. CODD,
JAS. S. WOODSIDE,
Committee.

Approved by the Board:

JAS. S. WOODSIDE, *Secretary.*

ENGINEER'S REPORT.

Statement of Contracts Let and Work Done (Dredging, Repairs to Wharves and Removal of Ashes) during 1891, under Supervision of the Harbor Board of Baltimore.

By Whom Done.	Kind of Work.	Date of Contract	Prices.	Work Done.	Location of Dredging.	Approximate Area Dredged.	Depth of Water Obtained.
Baltimore Dredging Company	Dredging	July 6, 1891	13 cents per cubic yard.	100,197 cubic yards.	Middle Branch	597,942 square feet.	12 to 15 feet.
" " "	"	" "	17 " "	58,399 " "			
Benjamin Glenn	Removal of Cross St. wh'f	July 15, 1891	$ 152 12 inc'l supervision, &c.	Completed.	Harbor and channels generally	190,899 " "	19 to 27 "
" "	Building stone bulkhead foot Cross street.	" "	226 59	"			
" "	Stone wall in Long Dock..	" "	1,203 83	"	Back Basin and docks	364,590 " "	14 to 16 "
" "	Wharf at City Yard	" "	401 49 inc'l advertis'g, &c.	"			
Harbor Board	General repairs to wharves (labor and material)		Paving, &c., acct. Long Dock....$ 91 26 Wharf foot Commerce street.... 250 01 Repairs to State and City wharf. 88 34 Rep. to South st. and Bowly's whf. 41 51 Rep. to Pratt st. wharf..... 17 34 Gen'l supervision. 651 95	"			
" "	Removal of ashes from towboats		Cost of scow....$2,795 15 Supervision, &c. 728 62	18,690 bus. dumped.			

SUMMARY OF RESULTS.

Year.	Area Dredged.	Average Depth of Cutting.	Total Excavation.
1891	1,153,431 square ft	3 feet 8½ inches.	158,596 cubic yds.
1876 to 1890, inclusive	33,701,880 "	5 " 1½ "	6,456,945 "
Total, 1876 to 1891, inclusive.	34,855,311 "	5 " 1½ "	6,615,541 "

N. H. HUTTON, *Engineer Harbor Board.*

Statement of Receipts and Disbursements of the Harbor Board of Baltimore for the Year Ending December 31, 1891.

	Harbor.		Middle Branch, (channel to Bush st. dock)		Ice-Boat.		Repairs to Wharves.		Removal of Ashes from Tow-Boats.		Removal of Cross Street Wharf.		Printing Laws Relating to Harbor.	
Appropriation for work of 1891		$50,000 00		$1,115 63		$10,000 00		$3,000 00		$5,000 00		$250 00		$150 00
Expenditures, as follows:														
Advertising	$ 23 38						$10 92				$5 46			
Contracts for dredging (work done 1890)	13,516 35		$1,115 63											
" " " " " 1891	22,953 44													
General administration	5,475 09													
Labor and material for repairs to wharves (work done by Harbor Board and by contract)							2,961 40							
Printing laws relating to Harbor													$95 60	
Removal of Cross street wharf											146 66			
Removal of ashes from tow-boats									$3,523 77					
Supervision of dredging	1,536 95													
Surveys	707 43													
Tug and Ice-boat:														
Crew	4,621 17				$5,607 17									
Fuel	532 00				417 50									
Insurance					105 11									
Repairs	324 58				1,223 86									
Supplies	194 98				292 45									
Unexpended balances	114 63				2,353 91		27 68		1,476 23		97 88		54 40	
	$50,000 00	$50,000 00	$1,115 63	$1,115 63	$10,000 00	$10,000 00	$3,000 00	$3,000 00	$5,000 00	$5,000 00	$250 00	$250 00	$150 00	$150 00

N. H. HUTTON, *Engineer Harbor Board.*

REPORT.

OFFICE OF ENGINEER OF HARBOR BOARD,

BALTIMORE, January, 1892.

To the President and Members
of the Harbor Board of Baltimore.

GENTLEMEN:

I have the honor to submit the following report of operations during the year ending December 31st, 1891.

HARBOR.

For this division of the Board's duties (which includes cost of general administration of *all* works under the Board, operation and repair of City Tug, &c.), there was appropriated for 1891		$50,000 00
From this, however, was deducted for work done in 1890 (see last annual report)		13,516 35
Leaving available for work of 1891		$36,483 65

Appropriation

In accordance with the usual advertisement, proposals for such dredging as the means at command would permit, were opened on June 19th, with results as per abstract:

ABSTRACT OF BIDS FOR DREDGING.

Opened June 19th, 1891.

Bids.

BIDDERS.	Harbor and Channels.	Back Basin and Docks.	Spring Gardens.
	cts. per cub. yd.	cts. per cub. yd.	cts. per cub. yd.
C. W. Nelson, Jr.	13¼	17¼	13¼
Baltimore Dredging Co.	13	17	13
George C. Fobes & Co.	13	18	13
W. B. Brooks, Jr.	13	19	13

The contract was awarded to the lowest bidder, the Baltimore Dredging Company, who commenced work on August 3d, and completed on November 21st, such excavations as the available appropriation would permit.

During this time they excavated and removed 158,596 cubic yards, distributed as follows:

Amount excavated.

From Harbor—	Cubic yds.
Opposite Harris' Creek sewer	11,883
Near Baker-Whiteley Co.'s new pier	11,187
Making a total from harbor of	23,070

	Cubic yds.
From Back Basin and Docks—	
Back Basin (City Dock)	44,655
Mouth of Harris' Creek sewer	8,253
Foot of Lancaster street	1,266
Foot of Washington street	299
Foot of Ann street	374
Foot of Broadway	360
Mouth of Frederick Street Dock	294
Corner of Light and Pratt streets	284
Mouth of Cross Street sewer	2,614
Making a total from Back Basin and Docks of	58,399
From Middle Branch (Spring Gardens)—	
Near mouths of Chatsworth Run and Howard Street sewers	34,848
Main Channel above Moale's Point	23,031
Below New Draw, Light St. bridge	19,248
Making a total for Middle Branch of	77,127

The areas dredged over were as follows—

	Square yds.
In Harbor	21,211
Back Basin	33,625
Docks	6,885
Middle Branch	66,438
A total of	128,159
Or about	26½ acres.

The average depth of cutting was 3⅔ feet.

Results.

The results of this work comprised the re-establishment of 15 feet depth at mean low water in the Back Basin (City dock), a portion of which was dredged twice over, in order to remove the large deposit of sand and loam brought down Jones' Falls by the storm of September 5th. The removal of sewer deposits from the docks above named, as well as from a large area in the harbor, opposite the mouth of Harris' Creek sewer, and the removal to 27 feet depth of a shoal place in lower harbor, near the new pier of the Baker-Whiteley Coal Company.

In the Middle Branch (or Spring Gardens) sewer deposits were removed to 14 and 15 feet depth, at the head of the basin and in the vicinity of Howard street and Chatsworth Run sewers. The Main (dredged) Channel, above Moale's Point, was relieved of deposits above 12 and 15 feet depth, and a cut was made below the new draw in Light Street bridge to establish 15 feet at mean low water.

The expenditures for this work were as follows:

General administration of all works	$5,475 09
Supervision of dredging	1,536 95
Operation and repair of tug	5,672 73
Surveys, advertising, &c	730 81
Paid contractors	36,469 79
Unexpended balance	114 63
Amount of appropriation	$50,000 00

The average price paid contractors for dredging was $14\frac{47}{100}$ cents per yard.

Surveys.

The usual annual re-examination of harbor and Middle Branch was made, and showed no material change in depth since last annual report, except in the cases of docks and channels in Middle Branch, where the annual deposits from sewers produce their greatest effect, all of which however were removed sufficiently to prevent obstruction to navigation.

Laws relating to harbor.

In accordance with the recommendation of the Board in 1890, the Mayor and City Council by Resolution 81, of April, 1891, authorized the compilation and printing in form for convenient use, all laws relating to the harbor.

And appropriated therefor	$150 00
This work has been completed at a cost of	95 60
Leaving an unexpended balance of	$54 40

WHARVES.

Repairs to wharves.

For the maintenance and repairs of public wharves during 1891, there was appropriated the sum of $3,000 00

And for removal of Cross Street Wharf 250 00

Proposals for executing the greater portion of this work were opened on July 8th, as per following abstract:

ABSTRACT OF BIDS FOR REPAIRS TO WHARVES.

Opened July 8th, 1891.

Bids.

	Benj. Glenn.	W. B. Brooks, Jr.
Removing Cross Street Wharf.....	$130 00	$ 125 00
Bulkhead at Cross street:		
8 pine piles.....	56 00	44 00
1,900 feet B. M. Va. pine.....	49 40	51 30
Iron, 150 pounds.....	5 25	5 62
Excavating 100 cubic yards.....	40 00	*35 00
Masonry 36 cubic yards.....	230 40	198 00
Coping, 38 linear feet.....	64 60	60 80
Bulkhead in Long Dock:		
27,000 feet B. M. Va. pine.....	675 00	729 00
1,000 feet B. M. Ga. pine.....	32 00	34 50
60 pine piles.....	270 00	330 00
530 pounds iron.....	18 55	19 87
135 cubic yards masonry.....	627 75	742 50
100 linear feet coping.....	155 00	160 00
450 cubic yards excavation.....	180 00	*157 50
Tearing up bulkhead, 100 feet.....	.....	250 00
Wharf at City Yard:		
5,000 feet Ga. pine.....	170 00	172 50
4 oak piles.....	40 00	48 00
500 pounds iron.....	17 50	18 75

*Paving extra—8 cents square foot.

The contract was awarded to Mr. Benj. Glenn, the lowest bidder, at the rates named in the abstract.

Work done, and expenditures for repairs of wharves and removal of Cross Street Wharf, were as follows:

LONG DOCK.

Stone bulkhead, 86 feet long, 4¾ feet high, 4½ and 3 feet thick, on new pile and timber foundations; 570 square feet of new 3-inch platform and sills, 155 feet 6x8 inches guard log and straps, 1,334 square feet extra paving; expenditures ..... $1,295 09 — Long Dock.

WHARF AT CITY YARD.

Rebuilt above piles, 184 feet by 4½ feet of 12x12-inch caps, &c., and six (6) oak fender piles; expenditures ..... $401 49 — City Yard.

FOOT OF CROSS STREET.

Old wharf removed; expenditures $152 12

Stone bulkhead built, 36 feet long, 4½ feet high, 4½ and 3 feet thick, on pile and timber foundations; expenditures ..... 226 59 — Foot of Cross street.

STATE AND CITY PIER (PRATT STREET).

State and City Wharf.

Foot wharf extended 35 feet, 3 feet wide, with 10x12-inch caps, and 19 piles; expenditures.... $88 34

ON PRATT STREET.

Pratt Street Wharf.

62 feet linear, 4x6 inches, guard log; expenditures..... 17 34

BOWLY'S AND SOUTH STREET WHARVES.

236 square feet 3-inch platform; 125 feet linear, 4x6 inches, guard log; expenditures..... $41 51

COMMERCE STREET WHARF.

Commerce Street Wharf.

1,540 square feet of 3-inch decking, with new string pieces, and 3 oak fender piles; expenditures..... $250 01

General supervision of wharves, cost..... 651 95

Making total expenditures—

On account repair of wharves. 2,972 32

On account removal of Cross Street Wharf..... 152 12

Leaving unexpended balances—

On account repair of wharves.. 27 68

On account removal of Cross Street Wharf..... 97 88

By Ordinance No 19 of April, 1891, Section 15, Article XXII, Baltimore City Code, which made an unjust distinction between the building of *new* wharves and the repair of *old* wharves, was repealed as recommended by the Board in its last annual report.

Repeal of Sec. 15, Article 22 City Code.

ICEBOAT.

The appropriation for the maintenance, operation and repair of the iceboat F. C. Latrobe, during 1891, was	$10,000 00
The expenditures were	7,646 09
Leaving an unexpended balance of	$2,353 91

Appropriation

The following repairs and additions were made:

Repairs.

Upper deck and iron bulkheads in front of wheels; fender logs and plank shear; awnings and boat covers; main deck in wake of mast, were repaired.

Two (2) iron life-boats were purchased, and old boats repaired; a new capstan was purchased and fixed, and a new water cask. The donkey boiler was fitted with new tubes, and the old mast, which was decayed, was removed.

The boat was docked and hull cleaned and painted, and sundry small repairs

made to boilers and machinery; the whole being done at a cost of $1,223.86.

Summer Excursions.

The balance of expenditures were for wages of officers and crew, fuel, supplies, and insurance—including about $1,200 on account of services rendered Free Summer Excursion Society.

The boat is now in good condition and ready for service.

During the year, it has not been in commission for ice-breaking purposes a single day; during the summer, three (3) excursions were made for various public bodies, and twelve (12) for the Free Summer Excursion Society, during which, 14,769 persons were carried to and from Chesterwood.

REMOVAL OF ASHES.

Ashes from towboats.

By Ordinance No. 32, of April 17th, 1891, the Board were authorized and directed to procure a suitable barge or scow, to receive the refuse ashes from towboats employed in the harbor, and to provide for their disposal.

For the purpose of carrying out the provisions of this law during 1891, and the purchase of a barge or scow, there was appropriated.....	$5,000	00
The expenditures have been....	3,523	77
Leaving an unexpended balance of.....	$1,476	23
For this purpose, a substantial dump scow of 175 tons capacity, was procured at a cost of.	2,700	00
There was expended for house for Inspector, buoys, anchors, mooring lines, pumps, cleats, &c., &c.....	258	73
Advertising and wages.....	565	04
Or a total as above of.....	$3,523	77

Appropriation

Expenditures.

An Inspector is stationed on the scow who enters in a book prepared for the purpose, the name of every towboat, date of arrival and approximate quantity of ashes deposited. The scow is moored on Anchorage No. 1, nearly opposite the City Yard, the location having been determined by the officers of the Towboat Association.

Since June 16th, when the boat was put in service, seventy (70) boats have availed themselves of the facilities offered, and about 18,690 bushels of ashes have been discharged.

Ashes removed.

Ashes in river and bay.

The fact remains, however, that many steam vessels still discharge their ashes in the river and bay, even in the ship channels opened at such great cost by the National Government for the benefit of our City. Such offences are very difficult of detection with sufficient definiteness to justify prosecution of the offending parties; public sentiment acting upon the owners and agents and consignees can alone entirely remedy this evil.

RECOMMENDATIONS FOR 1892.

Work for 1892.

HARBOR—The sum appropriated for harbor improvements during 1891 was not sufficient to permit any considerable quantity of work in the main harbor, which receives all the sewerage and drainage of the City east of Howard street, and from the larger part of the "Annex." It necessarily follows that the effects of the large excavations made by the Board between 1876 and 1881 are being gradually obliterated, and that if the present commercial and sanitary condition of the main harbor is to be maintained, some money must be expended in this direction; if Foley's wharf is to be removed, the mouth of the harbor should at once be widened by extending the deep water over the present site of wharf, as well as above and below it; otherwise no advantage will be gained by its removal.

Appropriations for 1892.

I would therefore recommend the appropriation for harbor of..$50,000 00
And for widening harbor mouth. 25,000 00

Making a total for harbor improvement of.....$75,000 00
For maintenance, operation and repair of Iceboat, I would recommend the appropriation of—
Unexpended balance.....$ 2,353 91
New appropriation..... 12,646 09
15,000 00
For a new boiler and repair of City tug..... 6,000 00
For removal of ashes (unexpended balance only)..... 1,476 23
For repair and supervision of wharves..... 5,000 00

Making a total of.....$102,476 23

The City Tug Baltimore urgently needs a new boiler and repairs to joiner work which is very old.

The fender piles and caps in the Back Basin will require extensive renewals, and a portion of the street and bulkhead at foot of South street needs rebuilding and raising.

I am pleased to acknowledge the zeal and fidelity which the officers and agents of the Board under my direction have shown during the year. The compilation and arrangement for publication of the Harbor Laws was almost entirely the work of Mr. J. H. Irvin, Jr., the Clerk of the Board.

Respectfully submitted,

N. H. HUTTON,

Engineer.

ANNUAL REPORT

—OF THE—

City Commissioner

—TO THE—

MAYOR AND CITY COUNCIL OF BALTIMORE,

—FOR THE—

Fiscal Year Ending December 31st, 1891.

REPORT.

CITY COMMISSIONER'S OFFICE,

BALTIMORE, January 1st, 1892.

To the Honorable the Mayor and City Council.

GENTLEMEN:

Herewith is submitted the Annual Report of the operations of this Department, with the accompanying sub-reports and tables, for the year ending December 31st, 1891.

REPAIRS OF SEWERS AND INLETS.

Although during the past year there were some very heavy rain storms, from the precautions taken, no bad breaks occurred in any of the old sewers.

Needed repairs were done in the McMechen street sewers between John street and Morris alley, also in portions of Chatsworth Run and Schroeder's Run sewers, as well as in other old sewers in the different districts of the City.

The location of the repairs done in the various old sewers and inlets under my charge, and new man-holes

constructed in those old sewers, are shown in the following table:

Sewer McMechen street, between John street and Morris alley.

Sewer Chatsworth Run, between Baltimore and Saratoga streets.

Sewer Pratt street, east of Pratt Street bridge.

Sewer Calhoun street, between Baltimore and Hollins streets.

Inlet Holliday and Saratoga streets.

Inlet Lafayette avenue and Calhoun street.

Inlet Broadway and Barnes street.

Inlet northwest corner Central avenue and Bank street.

Inlet St. Paul and Centre streets.

Inlet Harrison and Gay streets.

Inlet northwest corner of Saratoga and Carey streets.

Inlet south side of Eager street, east of Washington street.

Inlet Schroeder and Baltimore streets.

Inlet Pratt street, near Penn street.

Sewer Schroeder's Run, between Baltimore and Fayette streets.

Inlet Pine street and Penn alley.

Inlet Barre and Light streets.

Sewer Division street, between Wilson and Laurens streets.

Inlet Calhoun and Rice streets.

Inlet Gough and Chester streets.

Inlet in front of 653 Vine street.

Inlet Central avenue and Lombard street.

Inlet McMechen street and North avenue.

Inlet Pennsylvania avenue, between Wilson and Laurens streets.

Sewer Chatsworth Run, Myrtle avenue, between Mulberry and Sarotoga streets.

Inlet in front of 206 and 208 Light street.

Inlet southwest corner of Fawn street and Central avenue.

Inlet Cross street, near Hanover street.

Inlet in front of 1307 Jefferson street.

Inlet Myrtle avenue and Pine street.

Inlet Mill street, near Pratt street.

Inlet Chew and Dallas streets.

Inlet southwest corner Granby street and Central avenue.

Inlet Greenmount avenue and North avenue.

Four inlets, northeast, southeast, northwest and southwest corners of Wolfe street and Fairmount avenue.

Inlet Carter alley, near Townsend street.

Inlet Central avenue, north of Eastern avenue.

Inlet Hammond alley and Albemarle street.

Inlet Lombard and Eden streets.

Inlet Bank street and Central avenue.

Inlet Eastern avenue and Eden street.

Inlet Patapsco and Lancaster streets.

Sewer northwest corner of Boston and Leakin streets.

Sewer in front of 2206 Boston street.

Inlet Pratt and President streets.
Sewer Eden and Gough streets.
Inlet Central avenue and High alley.
Sewer Central avenue and Holland street.
Man-hole and drain west end of Biddle Street bridge.
Inlet Baltimore and Wolfe streets.
Sewer Bond and Abbott streets.
Sewer Bond street.
Sewer in front of 127 Jefferson street.
Inlet Central avenue and Gough street.
Inlet Central avenue and Mulliken street.
Inlet Central avenue and May street.
Sewer North and Saratoga streets.
Sewer in rear of 703 Greenmont avenue.
Inlet Fremont and Portland streets.
Inlet Dover and Penn streets.
Inlet Eager and Ann streets.
Man-hole Broadway and Thames street.
Man-hole Broadway and Lancaster street.
Man-hole Abbott and Bond streets.
Man-hole Madison and Spring streets.

WORK NECESSARY TO BE DONE ON REPAIRS OF SEWERS.

A considerable amount of repairs will be required in all the old sewers, on account of the severe strain put upon them by the heavy rain storms during the past year.

I would again call your attention to the dangerous condition of the John and Mosher street sewer, which

discharges the water from the McMechen street and Druid Hill avenue sewers.

The bottom of the brick invert is fast wearing away, holes already being cut in it.

It should be replaced by one of stone, laid in Portland cement. The difficulty and expense attending the repair of this sewer will be considerable, from the fact of its being at such a great depth below the surface of the streets, and having a constant flow of water through it, as well as the danger of a sudden rise of the water in time of rain.

I would suggest that a special appropriation for this work be made.

BOX SEWERS CONSTRUCTED DURING THE YEAR.

Location.	Feet.		
	Length.	Width.	Height.
Eastern avenue, extended.....	16	5	4
Philadelphia road, two boxes, each.....	32	2	1½
Fifth lane and Jackson street.....	365	4	2

DRAIN BOXES REPAIRED.

Canton avenue and Fayette street.
East Fayette street, extended.
East Baltimore street, extended.

Federal and Barclay streets.
Harlem avenue and Pulaski street.
Lanvale and Caroline streets.
Stone culvert on Morris avenue.
Stone culvert on Beach avenue.
Stone culvert on Quaker lane.

REPAIRS OF GUTTER PLATES AND WATER WAYS UNDER THE SAME.

Baltimore and Hanover streets.
Pratt and Hanover streets.
Pratt and Charles streets.
Fayette and Exeter streets.
Monroe street and Frederick avenue.
Charles street and North avenue.
Ann street and Canton avenue.
Myrtle avenue and Mosher street.
Canton avenue and Washington street.
Wolfe and Aliceanna streets.
Collington and Canton avenues.
Fayette and Holliday streets.
Hanover and Pratt streets.
Lexington and Greene streets.
Greenmount avenue and Oliver street.
Lexington and Eutaw streets.
Albemarle and Stiles streets.

REPAIRS OF PAVED STREETS.

The annual repairs were commenced on 1st May and were continued until 7th November. Twelve regular full gangs were employed, with one small gang for

streets that required but slight repairs. In addition to the above, a gang of Belgian block pavers, a gang to repair sheet asphalt paving and a gang under contract with the Maryland Pavement Company to repair asphalt block pavements, were employed for some time. "The Flagstone Gang" was also employed in repairing streets, when not employed in setting or resetting flagstones. The intersection of Biddle and Calvert streets was repaved with "vitrified bricks," as an experiment, with the approbation of the Mayor. We have yet to learn whether this will prove to be a serviceable kind of material for paving streets. A large sum was expended during the year for gravel and labor on Mount Royal avenue. All the above improvements were paid for out of the appropriations for "Repairs of Paved Streets."

The general appropriation amounted to...		$80,000 00
Amount appropriated by Resolution 282..		12,000 00
Amount transferred from account for repairs of sewers, by Resolution No. 1...		2,500 00
		$94,500 00
Paid for asphalt block repaving.....	$5,982 54	
Paid for sheet asphalt repaving.....	2,718 55	
Paid for Belgian block repaving.....	3,917 05	
Amounts carried forward	$12,618 14	$94,500 00

Am'ts brought forward...	$12,618 14	$94,500 00
Paid for vitrified brick repaving.....	689 82	
Paid for graveling Mt. Royal avenue.....	1,086 93	
Paid for repairs of cobble-stones.....	79,700 84	
Paid for circle in Mount Royal avenue.....	383 67	
		94,479 40
Balance.....		$20 60

I would remark that the rain storm of the 5th September last did much damage to the streets in low-lying portions of the City and entailed considerable expense in restoring the streets to their average condition.

REPAIRS OF UNPAVED STREETS.

The usual appropriation of $2,000 for this purpose was expended upon such of the unpaved streets, lanes and alleys as appeared to require improvement most urgently.

The improvement of Lexington and St. Paul streets by lowering the grades of said streets and repaving them with cobble-s one, under Ordinance No. 166, *of October* 25, 1890.

This work was awarded under contract to the lowest bidders, Messrs. Leonard & McGovern, for the sum of three thousand one hundred and fifty dollars ($3,150.)

The work was begun April 28th, 1891, and finished September 29th, 1891, taking five months from beginning to completion.

The long time occupied in the execution of this work was due principally to the delay of the Chesapeake and Potomac Telephone Company in lowering their conduits on Lexington and St. Paul streets; also, to delays by employees of the Water Department in lowering and mending water pipes, and from the fact that all the approaches to the streets under improvement could not be closed at once. The residents and property-holders on the line of the said streets were given every means of ingress and egress up to the last moment, and the work was carried on as rapidly as possible, and in a good workmanlike manner.

This was a much needed improvement, which was at last carried out, but not in as radical a manner as I could wish, but in strict accordance with the provisions of the ordinance authorizing the improvement.

The improvement of Chester street, from Preston to Hoffman street.

Grading, paving with cobble-stone and kerbing the eastern half of Chester street in front of Collington Park.

This much needed improvement was done under contract with Louis Schmidt, at fair regular prices, viz: grading, 25 cents per cubic yard; paving, 6 cents per

square foot; repaving, 3 cents per square foot; kerbing, 40 cents per linear foot, and dimension gutter stones, 30 cents per linear foot, in place.

The work was begun September 20th, 1891, and finished October 31st, 1891.

Owing to the small appropriation, the western half of the street and the approaches at each end could not be remodeled and repaved as thoroughly as desired.

The improvement of Mount street, from about 340 *feet north of the north kerb line of Lexington street to Edmondson avenue.*

Grading and regrading, paving and repaving with cobble-stone (including dimension gutter stone), kerbing and resetting kerb, and changing the grade of said street, under Ordinance No. 138, approved September 30th, 1891.

This work was awarded under contract to the lowest bidders, Messrs. Leonard & McGovern, at the following prices, viz: grading, 17 cents per cubic yard; paving, (including dimension gutter stones), 6½ cents per square foot; repaving, (including dimension gutter stones), 4 cents per square foot; new kerb (4½-inch), 39 cents per linear foot, and old kerb reset, 7 cents per linear foot.

The work was begun October 12th, 1891, and finished December 18th, 1891.

Mount street, between the points named above, has been an eyesore and a nuisance for years, but the City authorities could do nothing in the matter, from the fact that until recently it had never been condemned and opened as a public street, and therefore, property holders on that portion of the street, erected buildings and graded and paved as they saw fit, on each side of the street, without particular reference to any established grade, although several establishments of detached portions of said street are recorded.

The entire street, between the points mentioned above, has been remodeled, the kerbs lowered on one side and raised on the other, and repaved and paved in accordance with the City specifications, and it now looks like a street.

NORTH AVENUE BRIDGE.

The condition of this bridge is such as to require considerable attention to keep it in a safe condition for ordinary travel. It has been recently thoroughly inspected and shores placed under it to strengthen the sub-structure.

The entire flooring is very soft and worn quite thin, and is liable at any time to be cut through by heavy teams, thereby endangering the sub-structure. It cannot be repaired in any one part without weakening the adjoining parts.

To cover this bridge with a temporary floor would cost at least $2,000. This is by no means a desirable

expenditure of money at this time, inasmuch as this bridge will be thrown out of use so soon as an undisputed right of way is obtained to use the temporary bridge now constructed to take the place of North Boundary Avenue Bridge during the construction of the contemplated new bridge in place of the present structure.

HARMAN'S BRIDGE

Was severely taxed during the building of Light Street Bridge. This bridge, as heretofore reported, is a temporary wooden structure, 1,450 feet in length. 77,000 feet of joists, stringers and flooring were transferred from Light Street Bridge to Harman's Bridge. This lumber had been used in the construction of a temporary bridge from north side of the old Light Street Draw to allow travel to pass during the construction of the new swing bridge now in operation.

The keeper of Harman's Bridge, Mr. Edward Stowman, is deserving of more than ordinary credit for the zeal and intelligence displayed by him in keeping up this structure during the excessive travel over it from the above-mentioned cause, and it is safe to say that this bridge at the present time is in much better condition than it has been since it came into the possession of the City.

IMPROVED PAVEMENTS.

There is possibly no subject of equal importance to this and other large cities, which has been so widely discussed, as that of improved pavements, and there are

few, if any, subjects bearing upon the advancement of the interests of a city and its inhabitants upon which so great diversity of opinion exists, namely, as to which of the numerous pavements designated under the above heading is the proper thing to adopt, as each advocate of this or that system claims extraordinary superiority over the others, and much has been written to prove the theories advanced by each claimant.

No one can doubt the necessity of improved street paving in various sections of the City, and that smooth, clean and noiseless, as well as durable pavements, are very desirable. But the question suggests itself at once: Can all these desirable qualities be attained? I think not; for experience has demonstrated that in Baltimore only one of three classes of improved pavements adopted and in use for the last fifteen years has been found to withstand the heavy traffic of the business portions of the City, viz: Granite Belgian blocks. The other two kinds of improved pavements are "sheet asphalt" and "block asphalt," both of which are good pavements and admirably adapted for "residence" streets, over which passes light or ordinary traffic; they are smooth, clean and noiseless, as well as durable in such streets.

I have read with much interest the many views set forth by the advocates of "vitrified brick" for street paving. In many cases most extraordinary durability is claimed for it, as well as that it is smooth, clean and noiseless, and also cheapness as compared with

other improved pavements in use here. I am inclined to believe that the cost of vitrified brick paving, if the locality in which it was placed required a "concrete" foundation, would be found to be more expensive than those mentioned above as being in use. Should this pavement be put down with nothing more than a cushion of sand, I have no doubt its cheapness would be apparent. It will be found that a calculation has been made as to the cost of vitrified bricks, as well as other improved pavements, for portions of Calvert street, from Madison street to Mount Royal avenue, in another portion of this report.

I would suggest that a vitrified brick pavement be put down in some selected locality, in the near future. By this means, it would have a fair and practical test, and should its superiority be shown, it could be adopted more extensively.

ASPHALT PAVEMENTS.

Ordinance No. 127, approved June 10, 1890, provides for repaving the following-named streets, contiguous to the Hanover Market, with sheet asphalt:

Camden street, from the west side of Hanover street to the west side of Sharp street; Dover street, from the west side of Hanover street to the east side of Sharp street; Camden lane, from Dover street to Camden street.

Dover street, from Hanover to Sharp street, and Camden lane, from Dover to Camden streets, were completed in December, 1890.

At this point it was decided to stop the work for the winter, and also to await the completion of the tunnel under Camden street, at that time in process of construction by the Belt Line Railroad Company.

The repaving of Camden street, from Hanover to Sharp street, was completed on June 3, 1891.

The intersection of Camden and Sharp streets was paved with Belgian blocks at the price of asphalt paving.

Statement of Quantities and Cost.

Asphalt paving, including Belgian block paving and granolithic gutters, 3,763 square yards, at $2.75	$10,348 25
New kerbstones, 857⅓ linear feet, at 80 cents	685 87
New flagstones, 239 square feet, at 38 cents.	90 82
Old 4-inch berb, jointed and reset, 1,093¾ linear feet, at 14½ cents	158 59
Old 6-inch kerb, jointed and reset, 185¾ linear feet, at 18 cents	33 43
Old flags, jointed and reset, 572$\frac{4}{10}$ square feet, at 10 cents	57 34
Extra concrete, ½ cubic yard, at $6.00	3 00
Stonecutter's time, 42 days, at $4.50	189 00
Cobblestone repaving, incidentals, engineering expenses, &c	271 10
Total	$11,837 30

Ordinance No. 71, approved May 6, 1891, to repave Camden street, from Sharp street to Howard street.

Work commenced on May 18, 1891, and completed on June 4, 1891.

Statement of Quantities and Cost.

Asphalt paving, with granolithic gutters, 1,502 square yards, at $2.75	$4,130 50
New kerbstones, 84¾ linear feet, at 80 cents.	67 80
New flagstones, 159 4/10 feet, at 38 cents	60 57
Old 4-inch kerb, jointed and reset, 10½ linear feet, at 14½ cents	1 46
Old 6-inch kerb, jointed and reset, 611⅚ linear feet, at 18 cents	110 13
Stonecutter's time, 2 days, at $4.50	9 00
Cobblestone repaving, incidentals, engineering expenses, &c	266 77
Total	$4,646 23

Ordinance No. 72, approved May 6, 1891, to repave Hollins street, from Poppleton street to Hollins Market, with sheet ashphalt.

Work commenced on June 25, 1891, and completed on August 13, 1891.

Statement of Quantities and Cost.

Asphalt paving, with granolithic gutters, 3,859 square yards, at $2.75	$10,612 25
New kerbstones, 1,308 linear feet, at 80 cents	1,046 40
Old 4-inch kerb, jointed and reset, 532 5/6 linear feet, at 14½ cents	77 27
Old 6-inch kerb, jointed and reset, 44¾ linear feet, at 18 cents	8 05
Extra concrete, 12 65/100 cubic yards, at $6.00.	82 22
Stonecutter's time, 29 days, at $4.50	130 50
Repairs to inlets, hauling, &c	11 55
Cobblestone repaving, incidentals, engineering expenses, &c	462 45
Total	$12,430 69

Ordinance No. 73, approved May 6, 1891, to repave with sheet asphalt the triangular space in front of the Southern Police Station; also, Montgomery street, from Leadenhall street to the said "triangular space," and a small portion of Hughes street adjoinining the said "space."

Work commenced on June 10, 1891, and completed on June 27, 1891.

In connection with this work, a granolithic bridge and sidewalk were constructed in front of the patrol-wagon house on Montgomery street.

Statement of Quantities and Cost.

Asphalt paving, with granolithic gutters, $737\frac{9}{10}$ square yards, at $2.75	$2,029 22
Granolithic bridge and sidewalk, $39\frac{35}{100}$ square yards, at $3.00	118 05
New kerbstones, $209\frac{5}{8}$ linear feet, at 80 cents	167 70
Old 4-inch kerb, jointed and reset, $360\frac{3}{8}$ linear feet, at $14\frac{1}{2}$ cents	52 25
Old flags, jointed and reset, $41\frac{1}{2}$ linear feet, at 36 cents	14 94
Stonecutter's time, $8\frac{4}{9}$ days, at $4.50	38 00
Cobblestone repaving, incidentals, engineering expenses, &c	176 37
Total	$2,596 53

Ordinance No. 134, approved June 1, 1891, to repave Sharp street, from the south side of Pratt street to the north side of Camden street, with sheet asphalt.

Work commenced on July 29, 1891, and completed on September 9, 1891.

The ordinance for this work provides for repaving with asphalt all that part of Sharp street named above, with exception of the space between the railroad tracks and two feet on each side of the tracks. The two feet space on each side of the railroad was paved with granite blocks, set in concrete and cemented with tar. The space between the tracks was repaved by the railroad company with the original cobblestones.

Statement of Quantities and Cost.

Asphalt paving, with granolithic gutters, 1,149 $\frac{42}{100}$ square yards, at $2.75	$3,160 90
New kerbstones, 51½ linear feet, at 80 cents.	41 20
Old 6 inch kerb, jointed and reset, 644 linear feet, at 18 cents	115 92
New Belgian blocks used at Pratt street, 12 blocks, at 7½ cents	90
Extra concrete, 1 $\frac{7}{100}$ cubic yards, at $6.50	6 95
Stonecutter's time, 5 $\frac{7}{9}$ days, at $4.50	26 00
	$3,351 87
Belgian block paving on each side of railroad:	
Granite blocks, 3,500, at $86.25 per 1,000	301 88
Concrete, 11 cubic yards, at $5.75	63 25
Cement, 20⅓ barrels, at $1.38	28 06
Coarse sand, 12½ loads, at 58 cents.	7 25
Fine sand, 2 loads, at $1.15	2 30
Coal tar products, 252 gallons, at 13 cents	32 76
Wood for melting tar, ½ cord, at $5.75.	2 88
Grading, 38 cubic yards, at 46 cents.	17 48
Hauling	1 75
Labor, 9 $\frac{6}{10}$ days, at $1.75	16 80
Laying blocks, 130 square yards, at 43 cents	55 90
	$3,882 18
Cobblestone repaving, incidentals, engineering expenses, &c	152 70
	$4,034 88

The prices given above for the several materials, &c., in connection with the Belgian block paving along railroad tracks, represent the actual cost, with fifteen per cent. added thereto.

Ordinance No. 74, approved May 6, 1891, to repave with sheet asphalt the five streets surrounding the Richmond Market.

This work was commenced on September 8, 1891, and in November following the streets on three sides of the market had been completed, viz: Biddle street, Linden avenue and Armory avenue.

The Belt Line Railroad tunnel will, in a short time, be constructed under the portions of Howard and Richmond streets embraced in the above-named ordinance. In view of the certainty of settlements of the surface over the tunnel, it was considered advisable to postpone the repaving of Howard and Richmond streets, which should not be done until the tunnel is completed and the beds of the streets have come to a final settlement.

In connection with the work done, gutter plates were put down over the following-named gutters: North and south gutters at Biddle street and Linden avenue; south gutter at Biddle and Richmond streets; west gutter at Howard street and Armory avenue.

Statement of Quantities and Cost of Completed Work.

Asphalt paving, with granolithic gutters, 2,665 square yards, at $2.75	$7,328 75
New kerbstones, 565 linear feet, at 80 cents.	452 00
Old 4-inch kerb, jointed and reset, 300 linear feet, at 14½ cents	43 50
Old 6-inch kerb, jointed and reset, 288 linear feet, at 18 cents	51 84
Gutter plates, repaving sidewalks, cobblestone repaving, engineering expenses, &c..	2,465 01
Total	$10,341 10

BELGIAN BLOCK PAVING.

Cathedral street, from the North side of Centre street to the North side of Saratoga street, Ordinance No. 157, approved October 23d, 1889.

All that part of Cathedral street lying between Centre and Mulberry streets, was repaved with Belgian blocks in 1890. The part named was completed in the fall of 1890. The square between Mulberry and Saratoga streets was obstructed by building materials during the following winter, and consequently the repaving of that square had to be postponed. The obstructions were cleared away and the work completed in the spring of 1891.

Statement of Quantities and Cost.

Belgian blocks	$127,383 00
Linear feet of new kerb	808
Linear feet of new circles	$23\frac{7}{12}$
Square feet of new flags	1,400
Total expenditures	$15,962 83
Collection	20 25
Net cost	$15,942 58

Total paving, including gutters, flags, &c., 5,155 square yards, cost per square yard, $3.09.

The following are approximate estimates for different classes of improved pavements prepared at the request of His Honor, Mayor Latrobe:

The streets estimated on are in different sections of the City, giving a fair opportunity to test the adaptability and durability of the several kinds of pavement contemplated.

This is given in order to ascertain whether or not the cost of such improved pavements would come within the limits of the money set apart from the five million loan for the above-mentioned purposes, as well as an equitable distribution thoughout the City, of the means at hand.

ESTIMATES FOR REPAVING CERTAIN STREETS WITH IMPROVED PAVEMENTS.

1 Broadway, from Canton avenue to Baltimore street, asphalt paving, except on steep grade from Lombard street to Baltimore street, where it is proposed to use Belgian blocks.

Sheet asphalt paving, exclusive of railroad tracks, 19,500 square yards, at $2.75	$53,625 00
Belgian block paving, exclusive of railroad tracks, 4,000 square yards, at $2.80.	11,200 00
New six-inch kerb, 5,200 linear feet, at $1.30	6,760 00
	$71,585 00
Add for engineering and contingencies, about 4½ per cent	3,415 00
	$75,000 00
Gutter-plates probably necessary, 4½ sets.	13,000 00
	$88,000 00

2 Broadway, from Baltimore street to North avenue, sheet asphalt paving, except on steep grades from Baltimore street to Fairmount avenue, one square; Fayette to Orleans, one and one-half squares; Monument to Barnes, three squares; Preston to Oliver, two squares, where it is proposed to use Belgian blocks.

Sheet asphalt paving, 37,000 square yards, at $2.75	$101,750 00
Belgian block paving, 16,600 square yards, at $2.80	46,480 00
New six-inch kerb, 13,000 linear feet, at $1.30	16,900 00
Old six-inch kerb, jointed, dressed and set, 2,100 linear feet, at $.40	840 00
	$165,970 00
Add for engineering and contingencies, about 5 per cent	8,030 00
	$174,000 00
Gutter-plates probably necessary, 5 sets	16,000 00
	$190,000 00
Canton avenue to Baltimore street	88,000 00
Grand total for Broadway	$278,000 00

3 Lexington street, from Pearl street to Fulton avenue.

Asphalt Blocks.

Asphalt block paving, 23,700 square yards, at $2.50	$59,250 00
New six-inch kerb, 6,500 linear feet, at $1.30	8,450 00
Old six-inch kerb, jointed, dressed and reset, 4,850 linear feet, at $.40	1,940 00
	$69,640 00
Add for engineering and contingencies, about 4½ per cent	3,360 00
	$73,000 00

4 Columbia avenue, from Paca street to Bush street.

Belgian Blocks.

Belgian block paving, including railroad tracks, 24,120 square yards, at $2.80...	$67,536 00
New six-inch kerb, 9,600 linear feet, at $1.30.....	12,480 00
	$80,016 00
Add for engineering and contingencies, about 5 per cent.....	4,484 00
	$84,500 00
Gutter-plates probably necessary, 3 sets.	4,500 00
	$89,000 00

5 Lafayette avenue, from Eutaw place to Fulton avenue, asphalt blocks, except on the steep grades from McCulloh street to Druid Hill avenue, one square; Argyle avenue to Myrtle avenue, one square; Carrollton avenue to Calhoun street, two squares, where it is proposed to use Belgian blocks.

Asphalt block paving, 22,400 square yards, at $2.50.....	$56,000 00
Belgian block paving, 6,400 square yards, at $2.80.....	17,920 00
New six-inch kerb, 6,750 linear feet, at $1.30.....	8,775 00
	$82,695 00
Add for engineering and contingencies, about 4½ per cent.....	3,805 00
	$86,500 00

6 Pennsylvania avenue, from Franklin street to North avenue.

Belgian Blocks.

Belgian block paving, including railroad tracks, 35,300 square yards, at $2 80..	$98,840 00
New six-inch kerb, 15,000 linear feet, at $1.30.....	19,500 00
Old six-inch kerb, jointed, dressed and reset, 200 linear feet, at 40 cents.....	80 00
	$118,420 00
Add for engineering and contingencies, about 4½ per cent.....	5,580 00
	$124,000 00
about 4½ per cent.....	5,580 00
	$124,000 00

7 Baltimore street, from the bridge to Eutaw street.

Belgian Blocks.

New Belgian block paving, exclusive of car tracks, 8,750 square yards, at $2.80.	$24,500 00
Old Belgian blocks relaid, 2,200 square yards, at 75 cents.....	1,650 00
Readjusting kerb where necessary, say, 2,600 linear feet, at 25 cents.....	650 00
	$26,800 00
Add for engineering and contingencies...	2,200 00
	$29,000 00

8 Pratt street, from the bridge to Paca street.

Belgian Blocks.

New Belgian block paving, including railroad tracks, 18,500 square yards, at $2.80	$51,800 00
Old Belgian blocks relaid, 4,600 square yards at 75 cents	3,450 00
New six inch kerb, 2,000 linear feet, at $1.30	2,600 00
Old six-inch kerb jointed, dressed and reset, 3,200 linear feet, at 40 cents	1,280 00
	$59,130 00
Add for engineering and contingencies, adjusting gutter plates, &c., &c., nearly 10 per cent	5,870 00
	$65,000 00

9 Light street, from Pratt street to Hill street.

Belgian Blocks.

New Belgian block paving, 7,400 square yards, at $2.80	$20,720 00
Old Belgian blocks relaid, 1,000 square yards, at 75 cents	750 00
New six-inch kerb, 1,000 linear feet, at $1.30	1,300 00
Old six-inch kerb, jointed, dressed and reset, 2,500 linear feet, at 40 cents	1,000 00
	$23,770 00
Add for engineering and contingencies, nearly 7 per cent	1,230 00
	$25,000 00

SUMMARY OF THE ABOVE STREETS.

1 Broadway, from Canton avenue to Baltimore street—Sheet asphalt.....	$88,000 00
2 Broadway, from Baltimore street to North avenue—Sheet asphalt.....	190,000 00
3 Lexington street, from Pearl street to Fulton avenue—Asphalt blocks....	73,000 00
4 Columbia avenue, from Paca street to Bush street—Belgian blocks.....	89,000 00
5 Lafayette avenue, from Eutaw Place to Fulton avenue—Asphalt blocks....	86,500 00
6 Pennsylvania avenue, from Franklin street to North avenue—Belgian blocks	124,000 00
7 Baltimore street, from the bridge to Eutaw street—Belgian blocks.....	29,000 00
8 Pratt street, from the bridge to Paca street—Belgian blocks.....	65,000 00
9 Light street, from Pratt street to Hill street—Belgian blocks	25,000 00
	$769,500 00

ESTIMATE FOR REPAVING CERTAIN STREETS WITH VITRIFIED BRICK, LAID ON EDGE ON ROLLED GRAVEL AND SAND FOUNDATION, AND GROUTED AFTER LAYING.

1 Broadway, from Canton avenue to Baltimore street.

Vitrified brick paving, 23,500 square yards, at $1.95	$45,825 00
New six-inch kerb, 5,200 linear feet, at $1.30	6,760 00
	$52,585 00
Add for engineering and contingencies	3,415 00
Gutter-plates probably necessary, 4½ sets.	13,000 00
	$69,000 00

2 Broadway, from Baltimore street to North avenue.

Vitrified brick paving, 53,600 square yards, at $1.95	$104,520 00
New six-inch kerb, 13,000 linear feet, at $1.30	16,900 00
Old six-inch kerb, jointed, dressed and reset, 2,100 linear feet, at 40 cents	840 00
	$122,260 00
Add for engineering and contingencies	8,240 00
	$130,500 00
Gutter-plates probably necessary	16,000 00
	$146,500 00

3 Lafayette avenue, from Eutaw Place to Fulton avenue.

Vitrified brick paving, 28,800 square yards, at $1.95	$56,160 00
New six-inch kerb, 6,750 linear feet, at $1.30	8,775 00
	$64,935 00
Add for engineering and contingencies	3,565 00
	$68,500 00

4 Lexington street, from Pearl street to Fulton avenue.

Vitrified brick paving, 23,700 square yards, at $1.95	$46,215 00
New six-inch kerb, 6,500 linear feet, at $1.30	8,450 00
Old six-inch kerb, jointed, dressed and reset, 4,850 linear feet, at 40 cents	1,940 00
	$56,605 00
Add for engineering and contingencies	3,395 00
	$60,000 00

5 Columbia avenue, from Paca street to Bush street.

Vitrified brick paving, 24,120 square yards, at $1.95	$47,034 00
New six-inch kerb, 9,600 square yards, at $1.30	12,480 00
	$59,514 00
Add for engineering and contingencies	4,486 00
	$64,000 00
Gutter-plates probably necessary	4,500 00
	$68,500 00

6 Pennsylvania avenue, from Franklin street to North avenue.

Vitrified brick paving, 35,300 square yards, at $1.95	$68,835 00
New six-inch kerb, 15,000 linear feet, at $1.30	19,500 00
Old six-inch kerb, jointed, dressed and reset, 200 linear feet, at 40 cents	80 00
	$88,415 00
Add for engineering and contingencies	5,585 00
	$94,000 00

7 Baltimore street, from the bridge to Eutaw street.

Vitrified brick paving, 10,950 square yards, at $1.95	$21,352 50
Readjusting kerb where necessary, say 2,600 linear feet, at 25 cents	650 00
	$22,002 50
Add for engineering and contingencies	2,197 50
	$24,200 00

8 Pratt street, from the bridge to Paca street.

Vitrified brick paving, 23,100 square yards, at $1.95	$45,045 00
New six-inch kerb, 2,000 linear feet, at $1.30	2,600 00
Old six-inch kerb, jointed, dressed and reset, 3,200 linear feet, at 40 cents	1,280 00
	$48,925 00
Add for engineering and contingencies	6,075 00
	$55,000 00

9 Light street, from Pratt street to Hill street.

Vitrified brick paving, 8,400 square yards, at $1.95	$16,380 00
New six-inch kerb, 1,000 linear feet, at $1.30	1,300 00
Old six-inch kerb, jointed, dressed and reset, 2,500 linear feet, at 40 cents	1,000 00
	$18,680 00
Add for engineering and contingencies	1,320 00
	$20,000 00

SUMMARY OF THE ABOVE STREETS.

1 Broadway, from Canton avenue to Baltimore street	$69,000 00
2 Broadway, from Baltimore street to North avenue	146,500 00
3 Lafayette avenue, from Eutaw Place to Fulton avenue	68,500 00
4 Lexington street, from Pearl street to Fulton avenue	60,000 00
5 Columbia avenue, from Paca street to Bush street	68,500 00
6 Pennsylvania avenue, from Franklin street to North avenue	94,000 00
7 Baltimore street, from the bridge to Eutaw street	24,200 00
8 Pratt street, from the bridge to Paca street	55,000 00
9 Light street, from Pratt street to Hill street	20,000 00
	$605,700 00

ESTIMATE FOR REPAVING CERTAIN STREETS WITH VITRIFIED BRICK, LAID ON EDGE, ON CONCRETE OR BETON FOUNDATION, WITH SAND CUSHION, AND GROUTED AFTER LAYING.

1 Broadway, from Canton avenue to Baltimore street.

Vitrified brick paving, 23,500 square yards, at $2.80	$65,800 00
New six-inch kerb, 5,200 linear feet, at $1.30	6,760 00
	$72,560 00
Add for engineering and contingencies	3,440 00
	$76,000 00
Gutter plates probably necessary, 4½ sets.	13,000 00
	$89,000 00

2 Broadway, from Baltimore street to North avenue.

Vitrified brick paving, 53,600 square yards, at $2.80	$150,080 00
New six-inch kerb, 13,000 linear feet, at $1.30	16,900 00
Old six-inch kerb jointed, dressed and reset, 2,100 linear feet, at 40 cents	840 00
	$167,820 00
Add for engineering and contingencies	8,180 00
	$176,000 00
Gutter plates, probably necessary	16,000 00
	$192,000 00

3 Lafayette avenue, from Eutaw Place to Fulton Ave.

Vitrified brick paving, 28,800 square yards, at $2.80	$80,640 00
New six-inch kerb, 6,750 linear feet, at $1.30	8,775 00
	$89,415 00
Add for engineering and contingencies	3,585 00
	$93,000 00

4 Lexington street, from Pearl street to Fulton avenue.

Vitrified brick paving, 23,700 square yards, at $2.80	$66,360 00
New six-inch kerb, 6,500 linear feet, at $1.30	8,450 00
Old six-inch kerb jointed, dressed and reset, 4,850 linear feet, at 40 cents	1,940 00
	$76,750 00
Add for engineering and contingencies	3,250 00
	$80,000 00

5 Columbia avenue, from Paca street to Bush street.

Vitrified brick paving, 24,120 square yards, at $2.80	$67,536 00
New six-inch kerb, 9,600 linear feet, at $1.30	12,480 00
	$80,016 00
Add for engineering and contingencies	4,484 00
	$84,500 00
Gutter plates, probably necessary	4,500 00
	$89,000 00

6 Pennsylvania avenue, from Franklin street to North avenue.

Vitrified brick paving, 35,300 square yards, at $2.80	$98,840 00
New six-inch kerb, 15,000 linear feet, at $1.30	19,500 00
Old six-inch kerb jointed, dressed and reset, 200 linear feet, at 40 cents	80 00
	$118,420 00
Add for engineering and contingencies	5,580 00
	$124,000 00

7 Baltimore street, from the bridge to Eutaw street.

Vitrified brick paving, 10,950 square yards, at $2.80	$30,660 00
Readjusting kerb where necessary, say 2,600 linear feet, at 25 cents	650 00
	$31,310 00
Add for engineering and contingencies	2,190 00
	$33,500 00

8 Pratt street, from the bridge to Paca street.

Vitrified brick paving, 23,100 square yards, at $2.80	$64,680 00
New six-inch kerb, 2,000 linear feet at $1.30	2,600 00
Old six-inch kerb jointed, dressed and reset, 3,200 linear feet at, 40 cents	1,280 00
	$68,560 00
Add for engineering and contingencies	5,940 00
	$74,500 00

9 Light street, from Pratt street to Hill street.

Vitrified brick paving, 8,400 square yards, at $2.80	$23,520 00
New six-inch kerb, 1,000 linear feet, at $1.30	1,300 00
Old six-inch kerb, jointed, dressed and reset, 2,500 linear feet, at 40 cents	1,000 00
	$25,820 00
Add for engineering and contingencies	1,280 00
	$27,100 00

SUMMARY OF THE ABOVE STREETS.

1 Broadway, from Canton avenue to Baltimore street	$ 89,000 00
2 Broadway, from Baltimore street to North avenue	192,000 00
3 Lafayette avenue, from Eutaw place to Fulton avenue	93,000 00
4 Lexington street, from Pearl street to Fulton avenue	80,000 00
5 Columbia avenue, from Paca street to Bush street	89,000 00
6 Pennsylvania avenue, from Franklin street to North avenue	124,000 00
7 Baltimore street, from the bridge to Eutaw street	33,500 00
8 Pratt street, from the bridge to Paca street	74,500 00
9 Light street, from Pratt street to Hill street	27,100 00
	$802,100 00

ESTIMATE FOR REPAVING ON CALVERT STREET, FROM MADISON STREET TO MOUNT ROYAL AVENUE, WITH VARIOUS CLASSES OF IMPROVED PAVEMENTS.

1 From south side Madison street to north side Read street—Belgian blocks.

2 From north side Read street to north side Chase street—Asphalt blocks.

3 From north side Chase street to north side Preston street—Vitrified bricks.

4 From north side Preston street to south side Mount Royal avenue—Sheet asphalt.

1 From south side Madison street to north side Read street.

Belgian Blocks.

Belgian block paving, 1,900 square yards, at $2.80	$5,320 00
New six-inch kerb, 200 linear feet, at $1.30	260 00
Old six-inch kerb jointed, dressed and reset, 380 linear feet, at 40 cents	152 00
	$5,732 00
Add for engineering and contingencies, adjusting gutter plates, &c.	768 00
	$6,500 00

2 North side Read street to north side Chase street.

Asphalt Blocks with Granolithic Gutters.

Asphalt block paving, 3,900 square yards, at $2.50	$9,750 00
Granolithic gutters, 1,960 linear feet, at 50 cents	980 00
New six-inch kerb, 25 linear feet, at $1.30	32 50
Old six-inch kerb jointed and reset and dressed, 1,800 linear feet, at 40 cents	720 00
	$11,482 50
Add for engineering and contingencies, gutter plates, &c	1,517 50
	$13,000 00

3 North side of Chase street to north side of Preston street.

Vitrified Brick, Sand Foundation.

Vitrified brick paving, 1,530 square yards, at $1.95	$2,983 50
Granolithic gutters, 760 linear feet, at $1.50	380 00
Old six-inch kerb jointed, dressed and reset, 680 linear feet, at 40 cents	272 00
	$3,635 50
Add for engineering and contingencies	364 50
	$4,000 00

4 From north side Preston street to south side Mount Royal avenue.

Sheet asphalt paving, including granolithic gutters, 1,120 square yards at $2.75	$3,080 00
New six-inch kerb, 540 linear feet, at $1.30	702 00
	$3,782 00
Add for engineering and contingencies...	218 00
	$4,000 00
1 From south side Madison street to north side Read street—Belgian blocks (stone gutters)	$6,500 00
2 From north side Read street to north side Chase street—Asphalt blocks (with granolithic gutters)	13,000 00
3 From north side Chase street to north side Preston street—Vitrified brick (one square laid) granolithic gutters,	4,000 00
4 From north side Preston street to south side Mt. Royal avenue—Sheet asphalt, including granolithic gutters,	4,000 00
	$27,500 00

N. B.—From south side Biddle street to south side of Preston street is already laid with vitrified brick, as a sample, &c., by property holders.

CIRCLE IN MT. ROYAL AVENUE.

The crossing on the east side of Cathedral street at its intersection with Mt. Royal avenue is about 250 feet in length. In case of a runaway or careless driving at this point, women or children crossing Mt. Royal avenue would be subjected to great danger. In view of this fact, it was determined to provide, as far as possible, a place of safety, as well as an ornamental construction in the crossing.

This was accomplished by setting a circle seventeen feet in diameter, of six-inch granite kerb, in the centre of the crosswalk. Eight granite posts were set around the circle, and the whole space paved with granolithic. A handsome lamp was also put up in the centre of the circle by the Inspector of Lamps.

This work, without the lamp, cost $383.67; charged to repairs of paved streets.

KERBING ON FULTON AVENUE.

Ordinance No. 100, approved May 25th, 1891, provides for kerbing, with six-inch granite kerb, Fulton avenue, between Presstman street and Baker Circle, for the purpose of forming a park in the centre of said avenue.

The contract for furnishing the kerb was awarded to the Woodstock Granite Company, their bid being the lowest received. Contract price, $1.12 per foot.

Appropriation	$1,200 00
Cost of work	1,088 87
Balance	$111 13

KERBING ON PARK AVENUE.

Ordinance No. 110, approved May 31st, 1890, provides for the acceptance by the City of a deed for the bed of Park avenue, between Reservoir street and Mt. Royal avenue; also for kerbing and parking the said part of Park avenue. The names of the parties furnishing the kerb, the quantity awarded to each, and the contract prices are given below:

Woodstock Granite Company, straight kerb, 2,000 feet, at $1.05.
Woodstock Granite Company, circles, 80 feet, at $2.10.
Wm. H. Johnson, straight kerb, 1,580 feet, at $1.10.
Wm. H. Johnson, circles, 80 feet, at $2.00.
Wm. F. Weller, straight kerb, 2,000 feet, at $1.07.

This work was commenced about the first of December, 1891, and up to the 31st December, 850 feet of kerb and four circles had been set.

REPAIRS OF BRIDGES.

The following bridges have received necessary repairs during the year.

Canton Avenue bridge, floor or drive-way renewed.
Preston Street bridge, floor or drive-way renewed.
Bath Street bridge, floor or drive-way renewed.
Eastern Avenue bridge, floor or drive-way renewed.
Ridgely Street bridge, floor or drive-way renewed.
Warner Street bridge, floor or drive-way renewed.
Monument Street bridge, general repairs.

Aliceanna Street bridge, general repairs.
Hillen Street bridge, general repairs.
North Street bridge, repairs to sidewalk.
Jackson Street bridge, general repairs.
Chase Street bridge, repairs to sidewalks.
Lombard Street bridge, repairs to sidewalks.
Centre Street bridge, repairs to sidewalks.

Bridge over Gwynn's Falls, on Washington avenue, to raise, under Ordinance No. 34, *approved April* 18*th*, 1891.

This work was done by labor and machinery hired by the City, under my personal supervision, except the grading of the approaches, which was done under contract, by Messrs. Morgan & Bresnan.

The above was an old covered bridge, Burr truss, built entirely of wood, with ninety feet clear span between abutments, the top of the floor being 21.4 feet above mean tide, or about the same above the water in Gwynn's Falls.

Preliminary work was begun on the bridge on November 6th, 1891 ; the bridge was closed to travel on Wednesday, November 18th, was successfully raised three feet, the height required, (without straining a timber or bolt), on Thursday, November 19th, between 1 and 3.30 P. M., by the use of four powerful hydraulic jacks ; was opened to travel on Friday, November 27th, and the entire work, including approaches, was completed on Thursday, December 17th, 1891.

On careful examination, the bottom chords of the bridge were found to have rotted to such an extent that it was necessary to re-inforce them with iron straps, so as to be safe before raising.

The improvements to this bridge consist in raising it three feet, thereby making the approaches much easier; removing the covering, strengthening the bottom chords, keying up all loose joints of braces, &c., screwing up loose bolts and putting in new ones where required, putting on an entirely new double floor, building a sidewalk on the south side, entirely outside of the bridge, for foot passengers, as the bridge is very narrow, and raising and extending the parapet walls and building strong fences to meet them, so as to prevent the possibility of vehicles or pedestrians falling over the embankments at each end.

The bridge was underpinned with heavy yellow pine timbers (which will last longer than the present bridge) and backed up with stone masonry.

All the work was done faithfully and the best materials used, so as to insure strength, as there is a very heavy traffic over this bridge.

I respectfully recommend that this bridge be painted as soon as possible.

PROPOSED BRIDGE OVER JONES' FALLS FOR THE CONTINUATION OF LEXINGTON STREET.

The surveys for this work have been completed, and the plans are now being made for its construction. This has been done in order that no delay may occur in the completion of this thoroughfare when the grading, kerbing and paving of it is authorized by the proper authorities.

PAINTING GUILFORD AVENUE, ST. PAUL STREET AND CALVERT STREET BRIDGES.

Guilford Avenue Bridge.

The flooring and joists of this bridge being of wood, the only ironwork below the floor surface consists of the main floor beams, struts, lateral rods and bottom chord bar members, these, with the ironwork above the floor surface, were found to be in a good state of preservation, but somewhat rusted and defaced, plainly indicating the need of a good cleaning and painting. The contract for cleaning and painting this bridge was awarded to Joseph A. King, and the work was done strictly in accordance with specifications, and in a satisfactory manner to this department.

Calvert Street Bridge.

This bridge is constructed of iron throughout. Every portion of it, above and below, all crevices, angles, the inside and outside faces of members, were

thoroughly cleaned and have received two good coats of paint. Many places were found that had not been painted since leaving the shop, some twelve years ago.

The ironwork of this bridge was found to be very much rusted, especially at the points of the buckle plates. Upon removing the chord cover plates of the span over the N. C. R. W. tracks, placed there about four years since, it was found that the bottom chord bars were amply protected from engine gases, the paint then applied being nearly as fresh as the day it was put on. It is needless to say that this fact is very gratifying to this department, as these plates insure the vital parts of this bridge from injury.

This bridge having received several coats of paint since its erection, the ironwork of the superstructure was in a generally fair condition, which can be easily maintained by occasional attention.

The asphalt floor is also in good condition excepting a few small holes which can be easily repaired. This would place it in a serviceable condition for years.

St. Paul Street Bridge.

This bridge, like Calvert street bridge, is entirely of iron. It was in a much worse condition than either of the other bridges, not having received a thorough cleaning and painting since its erection, some ten years since.

Almost the entire line of bottom pipe of the hand railing was destroyed by rust and had to be replaced with new piping, and much of the ornamental cast iron work was detached from its fastenings, all of which has been removed so far as it was necessary. The under sides of the buckle plates, especially at the joints, were corroded, and in fact all parts of the structure were in great need of attention. Upon moving the chord covers over the bottom chord of the span crossing the railway tracks, the chord bars, like those on Calvert Street bridge, were found well preserved and protected from engine gases.

This bridge has, like the other, been thoroughly cleaned, every corner, the inside and outside of all parts in any way accessible, have been carefully gone over, and all parts have been thoroughly painted with two good coats of paint. The asphalt floor of this bridge needs attention and should have received it ere this, if the contractors for its maintenance, Messrs. A. L. Barber & Company, complied with the conditions of their contract.

The Mayor and City Council having authorized electric lights to be placed upon St. Paul Street bridge, it was deemed advisable to provide suitable pillars of appropriate design for this purpose. There being a sufficient balance left after the painting and repairs were made for this purpose, contracts were made for six (6) lamps, hoods, pillars and bases, of design similar to those on Calvert Street bridge. These lamps

are now in position and in regular use, and are a very desirable improvement. The contracts for cleaning and painting both Calvert and St. Paul Street bridges were awarded to W. T. Scott, and I am pleased to say that in every particular the specifications for the work were minutely adhered to. Mr. W. H. Marriott, C. E., was placed in charge as inspector of the workmanship and materials used, and gave to it the most careful attention, and it is most confidently believed that all three of the bridges have received the most thorough cleaning and painting they have received since their erection.

The cost of the above improvements, repairs, painting, &c., is as follows:

Bridges.	Appropriation.	Expended.	Balance.
Guilford ave.,	$1,000 00	$ 936 67	$ 63 33
Calvert street,	2,500 00	1,886 73	613 27
St. Paul street,	3,400 00	3,293 00	107 00
Totals,	$6,900 00	$6,116 00	$783 60

REPORT ON SOUTH MONROE STREET BRIDGE.

BALTIMORE, December 21, 1891.

Capt. A. E. Smyrk, City Commissioner.

CAPTAIN—Under your orders of August 26th, 1890, I took charge of the design and construction of a bridge to carry South Monroe street over the Baltimore and Ohio Railroad, the whole work, including substruc-

ture and superstructure, to be built within the appropriation of $28,000.

After several interviews on the ground and elsewhere, with the railway officers, they agreed to make some necessary changes in the positions of their fourteen tracks at that point, and I proceeded to design the structure on the basis of a continuous triangular riveted truss, supported at each end on masonry abutments, and at two intermediate points on steel columns resting on stone pedestals, built between the railway tracks.

There are three (3) of these continuous trusses, each 284 feet long, spaced twenty (20) feet apart, centre to centre, and on the bottom chords of these trusses rests the wooden floor, divided into two roadways of 18 feet clear width each, and two footways of 9 feet clear width each, with substantial iron handrails, the whole structure being designed to carry, in addition to its own weight, a moving live load of 100 pounds per square foot of the surfaces of both roadways and both footways. The entire structure complete contains 330,000 pounds of steel and iron, 108,000 feet B. M. of Georgia pine lumber, 570 feet of iron handrail and 610 cubic yards of brick and stone masonry.

Full working plans and specifications were sent out, and on October 25th, 1890, the following proposals were opened in the Mayor's office, viz:

Phœnix Bridge Co., Phœnixville, Pa.....	$31,352 00
Edge Moor Bridge Co., Wilmington, Del...	30,465 00
King Bridge Co., Cleveland, Ohio	29,493 00
Riter & Cowley, Pittsburgh, Pa.....	27,698 00
Youngstown Bridge Co., Youngstown, Ohio	27,563 00

The Youngstown Bridge Company being the lowest responsible bidder became entitled to the contract, but as their price did not leave enough money in the appropriation to pay for engineering and inspection, I made some minor alterations in the character of the work, and their price was thus reduced to $27,000, at which figure the contract was closed with the Youngstown Bridge Company, contractors, and the Fidelity and Deposit Company of Maryland, as security.

There were some delays caused by bad weather and trouble in foundations, and much greater delays caused by the fact that the Johnstown, Pa., Rolling Mills, after successfully rolling more than half the steel required, finally refused to roll any more, unless we would await the making of new rolls, or would subject their work to less rigid inspection.

As their supply of natural gas had just been cut off, and I was of opinion that the return to coal fuel would add more delays, I directed the Youngstown Company to remove their order for the balance of the steel to some other mill. They did this promptly, and the balance of the steel was rolled at Carnegie's Homestead Mill.

The steel that has actually entered into the construction of this bridge averages 60,000 pounds ultimate strength, 35,000 pounds elastic limit, 24 per cent. stretch and 48 per cent. reduction, and is abreast with the best practice of to-day.

The sub-contractors on the work were George F. Nardin for the masonry, George Sloan & Brother for the lumber, Dufur Company for the handrail, and Wade & Greiner for the erection, and I regret to add that the Youngstown Bridge Company lost their shops by fire about the time of completion and acceptance of this bridge.

The work was completed, inspected and accepted August 28th, 1891, and cost just inside of the $28,000 appropriated for it.

Respectfully,

FREDERICK H. SMITH,

Consulting and Bridge Engineer in charge.

RECONSTRUCTION OF LIGHT STREET BRIDGE.

The piles under the old bridge, between the north end of the keeper's house and the north end bearing pier, and also those between the south end bearing pier and the old pier of old draw, could not be depended upon, and were therefore drawn and new piles driven in their places.

A dredging machine was employed to excavate the material in front of the keeper's house and make a channel on the west side of the bridge, between the house and the north shore, to facilitate the driving of piles, and also to obtain the material, which was good gravel, to fill the two end bearing piers, their four protection wings, and the east and west protections of the pivot pier.

The masonry of the pivot pier was begun January 7th, and finished the 28th of February.

On February 23d the bridge was closed to travel, and the tearing down of the draw and the rest of the old bridge between the keeper's house and the north shore was begun, leaving, by the removal of the old draw, a free channel for navigation.

114 fender piles were driven around the pivot pier and its east and west protections; 42 around the north, three of which were afterwards drawn to make a channel way for steam launches, and 34 around the south end bearing pier. These piles were cut off, rounded up at top, clamped by two pieces of 6x14 inches Georgia yellow pine, and bolted to piles. A hole one inch in diameter was bored in each pile to a depth of three feet, and filled with dead oil to keep them from rotting.

The north and south end bearing piers were finished, requiring, in addition to that given in last

year's report, for the former 7,988 feet, and for the latter 14,236 feet of creosoted lumber.

The bridge was completed to the north shore, and a new bulkhead built a little north of the old one, increasing the length of the bridge four feet ten inches, making the total length of the new bridge, between the north and south bulkheads, 4,535 feet 4 inches, or 84 feet 8 inches less than seven-eighths of a mile.

The temporary bridge, with the exception of 58 feet at the south end and 145 feet at the north end, was torn up and the piles drawn, opening the channel ways of the new swing bridge on the 4th of May.

The King Iron Bridge and Manufacturing Company, of Cleveland, Ohio, delivered the iron bridge material at the site about February 19th, commenced raising March 11th, and finished on the 2d of May; commenced driving the twenty-eight piles for the four trestles in the channel way of the old draw on May 4th, and finished raising the trestles on 6th of May.

After the connections were made with the iron swing span, the bridge was opened to travel May 12th, 1891.

This completed the bridge proper, for which the appropriation was asked.

It should be borne in mind that the most expensive part of this work was the foundation or sub-structure of the iron swing span. The character of the bottom

required piles from eighty to eighty-six feet long, costing twelve, fourteen and fifteen dollars per pile.

The cost of the iron swing span, $20,746.00; its substructure and steam machinery was about $80,000.00.

The following work, which was not contemplated when the appropriation was asked for, must be considered as

Extra Work.

The piece of property acquired by the City and Anne Arundel County in their purchase of the bridge at the north end at Ferry Bar, 60x60 feet, had never been defined. It was therefore considered advisable to build a bulkhead on the west part of the north and south boundary lines, between the west line and the road, to prevent the washing away of the road by westerly storms, and, at the same time, to permanently locate the property.

It was considered necessary to build a fender, extending from the northeast protection pier to the portion of temporary bridge left standing, as a protection to the keeper's house, and, at the same time, to facilitate navigation.

Upon examination, it was found that the piles under the keeper's house and yard, and also the yard, were in a dangerous condition. The piles were clamped and bolted by two pieces of 3x12 Georgia yellow pine at mean low tide level, and at the top in the same way, the house and yard under-pinned, and the yard rebuilt.

A covered stairway was built to the south end of the house to enable the occupants to reach the bridge, the floor of which was raised to the level of the second story, A platform composed of old material was also put under the bridge on the level of the first floor.

The north and south yards and kitchen of the engineer's house were also in a dangerous condition. Five piles were driven on the north and the same number on the south side, the yards and kitchen rebuilt, and a flooring of old lumber laid on the pier under the bridge.

While constructing the bridge, a schooner ran into the southwest pier of the old draw during a northwest storm. This being the second occurrence of this kind, the necessity of extending the southwest protection wing of the south end bearing pier to protect the engineer's house from like occurrence was made manifest.

On account of the close proximity of the Baltimore County shore on the west, a vessel coming down the Spring Gardens must take a southerly or southeastwardly course, and when opposite the draw change her course to the east, which gives a broadside to the wind when it is from the north or northwest, causing her to make leeway towards the house. The southwest protection wing was therefore extended eighty-five feet, and fender piles driven and clamp-capped in keeping with the other part of the work.

In the construction of the bridge it was intended to turn the swing span by hand power until some future

time when the water mains would be laid down to the bridge, when hydraulic machinery would be used. There being no prospect in the near future of Marshall street being continued to the bridge, the water mains being over a mile away, the exposed location and the difficulties experienced in turning it during storms, its weight being two hundred and fifty-four tons, it was considered advisable to put in steam machinery, which has been done and is now in operation.

In conclusion, I would recommend that the southwest protection wing extension be filled with gravel or stone to give weight to resist impact in case a vessel should run into it, and that the bulkhead of the property at the north end of the bridge be filled with shells or earth, as it could then be utilized for storing lumber in future repairs of the bridge.

I would also recommend that the half-acre lot belonging to the bridge in Anne Arundel County be marked by stones, as the point of beginning on the shore has been covered over by improvements made.

The following is a statement of the work and *extra* work done during the year:

Appropriation		$160,465 40
Expended in the year 1889	$ 7,375 22	
Expended in the year 1890	94,012 34	
Expended in the year 1891	45,934 52	
		147,322 08
Amount left from bridge proper for which appropriation was asked		$13,142 92

Amount brought forward.....		$13,142 92

Extra Work.

Bulkhead of property north end of bridge, material and workmanship.....	$310 58	
Fender connecting northeast protection pier with part of temporary bridge left standing, cutting off piles under keeper's house and yard, new clamp caps and underpinning, new flooring and fencing for yard and platform under bridge, material and workmanship.....	504 61	
Rebuilding north and south yards and kitchen at engineer's house and flooring pier under bridge, material and workmanship.....	462 01	
Southwest protection pier 85x15 feet, piles and fender piles, material and workmanship..	2,945 87	
New engine house and tank, material and workmanship..	2,344 41	
Machinery, paid on account, material and workmanship..	3,984 71	
		10,552 19
Balance.....		$2,590 73

The following amounts of material purchased for this bridge were transferred :

Cross street sewer....	$683 81	
Eden street sewer....	210 75	
To Park Board.....	35 74	
To Harman's bridge..	770 00	
		1,700 30

The following old materials are now on hand :

Cast iron, 16,421 lbs..	$82 11	
Wr'ght iron, 8,865 lbs.	53 19	
Old boiler, 1,800 lbs..	9 00	
	144 30	
		$1,844 60

The appropriation for the bridge has not been credited with these amounts.

CITY DOCK DRAWBRIDGE.

The turning gear of the City Dock drawbridge has been renewed. The old bearing plates and rollers, which had become badly worn, and in some places broken, were removed, and new rollers and plates of steel put in. Bids were receive for this work, and the contract was awarded to the Campbell & Zell Company, their bid being the lowest for steel work.

An appropriation of $2,250 was made in the levy for 1891 to defray the cost of the work named above, and to cover repainting the bridge.

Contract price of the Campbell & Zell Company for renewal of turning gear	$2,925 69
Amount appropriated	2,250 00
Deficiency	$675 69

By Resolution No. 10, approved November 27th, 1891, the City Commissioner is authorized to transfer to the account of repairs to the City Dock drawbridge, the balance remaining to the credit of the accounts for painting the bridges over Jones' Falls at St. Paul and Calvert streets and Guilford avenue, for the purpose of meeting the above deficiency.

Amount transferred.....$676.60. Balance, $0.91.

All the woodwork of the City Dock drawbridge, including the fender piles and guard piers, is in a very bad condition, being worn out, decayed and broken in many places, making extensive repairs necessary. The bridge should also be thoroughly repainted.

I would respectfully suggest that an appropriation of $2,500 be made in the levy for 1892, to meet the cost of the work required to put this bridge in a thoroughly good condition.

RUSSELL STREET BRIDGE.

Ordinance No. 158, *approved July* 18*th*, 1890.

The work upon the foundations for the bridge over Chatsworth Run, on the line of Russell street, was com-

menced in the early part of January, 1891, and the entire work was completed on May 2d, 1891.

The bed of the stream at this point consists of alluvial soil, which rendered it necessary that piles should be driven to form an unyielding support for the masonry. A pile-driving machine and engine and a force of men trained in the use of such machinery were employed. Common laborers were employed from time to time as their services were required.

The banks of the stream at this point are very high, and it was found necessary to cut down the banks and fill out into the stream to form a shelf upon which the pile-driver could be worked.

Ditches were dug to receive the tie rods which are used to resist the pressure of the earth behind the abutments, and these ditches were afterwards refilled.

After the foundation piles had been driven, they were cut off at an elevation of 16 inches below mean tide.

Two lines of cap-logs, 12x12 inches, were then laid upon and bolted to the piles and on the cap-logs a floor 4 inches in thickness was laid, upon which the masonry was built. A line of sheet piles, 4 inches in thickness, was driven behind each abutment.

The abutments are 8 feet in height, and consist of broken-range masonry, laid in cement, and capped by a dressed coping.

The superstructure is of wood, trussed by means of inclined braces and horizontal and vertical tie rods. The truss principle was adopted in this case for the purpose of securing stiffness or freedom from vibration.

The clear span of bridge is 30 feet and the clear width of roadway, 16 feet.

At each end of the southern abutment square piles, 12x12 inches, were driven, to form an extension of the wings of the abutment and to serve as retaining walls.

The cost of the work is as follows:

Foundations, consisting of round piles, capping, flooring, tie rods and sheet-piles, and including the levelling of the banks, filling out into the stream, ditching and refilling, and hire of machinery and men.	$3,560 43
Masonry, 98 cubic yards, at $7.00	686 00
Coping, 230 square feet, at $1.50	345 00
Superstructure, including material and erection	400 00
Total cost	$4,991 43

NORTH AVENUE BRIDGE IMPROVEMENT,
REPORT OF FREDERICK H. SMITH, CHIEF ENGINEER.

BALTIMORE, MD., December 31st, 1891.

Capt. A. E. Smyrk, City Commissioner:

CAPTAIN—Referring to my preliminary plans and estimates included in your annual report for 1890, I would further state that in accordance with instructions, I made up the plans for submission to Councils upon the basis of utilizing the whole 100 feet width of the avenue, and I also changed them from a steel truss bridge to a stone arch bridge.

This latter change required that we should either close North avenue entirely for a period of nearly or quite three years, under the provisions of Section 11 of Belt Railroad Ordinance, No. 83, of 1890, or that we should construct a temporary bridge to accommodate this travel. The steel bridge did not require this, as it could have been erected one half at a time, and the other half of the old bridge kept open for travel.

The stone bridge plan was forcibly urged by President Wm. Gilmor, who stated that his parties controlled the property on the east side out to Oak street, and would furnish us free right of way across it during the time required for the construction of the stone bridge.

After much surveying, estimating, &c., to arrange the structure to meet the views of the Northern Cen-

tral, Western Maryland and other railroads interested in the location of piers between their tracks, an agreement was reached between Chief Engineer Rea and myself, which was signed by you and by Chief Engineer R. K. Martin and by President Gilmor, and an Ordinance (No. 80, of 1891,) passed, under which the Belt Railroad was to construct approaches to the permanent bridge, including provision for water mains, &c., and to pay costs of raising old bridge to new level (referring to Section 10, Ordinance No. 83, of 1890), also costs of engineering on approaches, and also to provide temporary approaches to the temporary bridge. Under this ordinance the Belt Railroad graded the eastern temporary approach from the east abutment of the temporary bridge eastwardly about 90 feet across property of the Baltimore & Lehigh Railroad to an unopened 20-foot alley, thence across said alley, thence eastward 130 feet across a lot purchased by their parties from Lee to Oak street, opposite First street.

At the west end of the temporary bridge I arranged with General Agent Wilkins, of the Northern Central Railway Company, to use the triangular piece of ground adjoining his coal storage as an approach to the temporary bridge, and Assistant City Commissioner Kahler also arranged with him to put down the shaft of the large sewer at that point. After these arrangements with General Wilkins were made, the Belt Railroad Company secured from him a right of way for two tracks across a portion of this triangular property,

and at a still later date they secured rights for two more tracks across it, but both of these rights for tracks were secured after our rights of uses were agreed upon, and the right of way for the second pair of double tracks was secured after our temporary bridge was located and nearly completed.

After the eastern approach had been graded and when the temporary bridge was about half completed, we were enjoined from trespassing on the 150 feet of the eastern approach next to Oak street, and we had to haul supplies around by a circuitous route over the Baltimore & Lehigh Railroad property. In reply to my inquiries, President Gilmor stated that his parties had made only partial payment for the Lee property, and would complete the transaction as soon as the real ownership was determined, and certainly before the completion of the bridge and sewer operations on the west side. He also requested us to refrain from condemning a street across the property, as he intended to use it for depot purposes, and a condemnation would interfere with his plans.

As matters now stand, December 31st, the temporary bridge has been completed. The Water Department has laid its temporary piping across the falls, above the bridge, and is waiting to get permission to cross the disputed property; the sewer work will be completed (weather permitting) by February 1st, and Counsellor Cowen assured me, December 24th, that he would have the legal questions in such shape that the

water pipes can be laid and the street opened by the time the sewer is completed and covered up. We are already occupying the Belt Railroad right of way at the west end in such a manner as to prevent their erecting their outer girder to accommodate their second pair of double tracks, and we are also occupying their property at the east end in such a way as to prevent their full use of it for depot purposes, and it is their interest to get us away from both ends at the earliest moment.

During the construction of the temporary bridge, the working drawings, specifications, &c., for the stone arch bridge were progressing, and these were based on the use of large stone, instead of the smaller sizes as originally intended, this change being in consequence of the assurances of certain quarrymen that they could furnish the large stone at prices which, including differences in cutting, would aggregate less than small stone, and of course be better.

After proposals were invited, an unexpectedly high price was placed upon these large stone, and ordinances were introduced in Councils giving to certain bodies of skilled workmen a monopoly of the workmanship on this bridge to the exclusion of all other of our citizens, and without any limit to the price which these monopolists could charge the contractor for their labor.

Under these circumstances the proposals opened on October 30th, were as follows:

Reilly & Riddell, Pennsylvania	$599,225 00
McCabe Bros., Baltimore, Md	435,500 00
Jones & Thorne, Baltimore, Md	411,822 20
R. A. Malone & Co., Pennsylvania	400,000 00
Maryland Granite Co., Baltimore, Md	377,518 42
Geo. F. Nardin, Baltimore, Md	377,331 00
Wm. E. Anderson, Baltimore, Md	376,400 00

and the amount available for this part of the work (viz.: the main bridge) is $281,000.00.

I revised the drawings and specifications and got everything ready to call for new bids on the basis of using small stone, as originally estimated on, for the north and south faces, and in the interiors below the spring lines, and using small stone or brick for all other parts of the work, but these revised proposals have not been issued, as the question of changing the plans back again to the original steel truss bridge has been officially raised. An ordinance has been introduced authorizing such change to steel, and I am at work on the revised drawings and specifications for the steel bridge with the intention of having them ready for submission to you in two weeks.

The indications are that under the labor ordinance (which became law November 7th), we cannot find experienced contractors and good bondsmen to contract for the stone and brick bridge for a price which will bring it within the existing appropriation, even on the revised specification.

If we secure a further money appropriation of $75,000 to $100,000, we will have to face the certainty that it will require nearly three years to complete the work, if we have good seasons and no accidents, and that a washout from the stream, or a burn out from a locomotive or oil car, or a knock out from a derailed train, may destroy our scaffolding, causing heavy losses of money and time.

The indications are that the Belt Railroad will be opened for travel in 1893, and as the Belt Railroad tracks will cross the street and city railway tracks 30 feet from the west abutment, which is jointly occupied by the temporary bridge and the Belt Railroad bridge, which converge at this point, there will be established at this point one of the most dangerous grade crossings possible.

If we build the stone arch bridge some one will have to pay for the damages to person and property arising from accidents at this grade crossing during a period of nearly two years, or we will have to close the avenue to travel, under the Belt Railroad ordinance, Section 11, for nearly two years, or some one will have to pay for raising the temporary bridge to meet the north half of the permanent western approach, which could be built for this purpose in advance of the removal of the old bridge.

The plain, practical way to meet the question from all directions is to revert to the original steel bridge,

which avoids the dangerous grade crossing, as it can certainly be built by the time the Belt Railroad gets there. The very small effect that the steam from the locomotives has had on the iron work of the old span, which has been over the railroads there now 21 years and never painted but once, indicates that a steel bridge at that point, higher above the tracks and properly painted, will remain uninjured as long as we take ordinary care of it, and finally, while the construction of a stone bridge is complicated with so many uncertainties of costs, dangers and delays, the construction of steel bridges is in these days reduced to such a fine point that we know positively that we will not have to ask for any more money with which to build a handsome modern steel bridge, first class in strength and durability, and an ornament to our City.

Respectfully,

FREDERICK H. SMITH,

Chief Engineer.

GUTTER PLATES PUT DOWN IN 1891.

Resolution No. 41, approved February 16, 1891, to place gutter plates over the north and south gutters at the intersection of Fayette and Exeter streets.

Appropriation	$700 00
Cost of work	594 00
Balance	$106 00

Resolution No. 51, approved February 21, 1891, to place gutter plates over the north gutter at the intersection of Canton avenue and Collington avenue.

Three-fourths of the plates used in this work were plates already in possession of the City, and stored at the Belair Lot; hence the large balance shown.

Appropriation	$1,200 00
Cost of work	593 78
Balance	$606 22
Collections	34 60
	$640 82

Resolution No. 54, approved March 11, 1891, appropriating $600, and Resolution No. 211, approved May 25, 1891, appropriating $1,000, to place gutter plates over the north and south gutters at the intersection of Caroline and Lombard streets.

Appropriation	$1,600 00
Cost of work	1,523 63
Balance	$76 37

Resolution No. 99, approved April 11, 1891, to place gutter plates over the west gutter at the intersection of Canton avenue and Chester street.

Appropriation	$1,200 00
Cost of work	1,008 92
Balance	$191 08

Resolution No. 100, approved April 11, 1891, to place gutter plates over the north gutter at the intersection of Bond street and Eastern avenue.

Appropriation	$1,050 00
Cost of work	815 08
Balance	$234 92

Resolution No. 101, approved April 11, 1891, to place gutter plates over the west gutter at the intersection of Chester and Bank streets.

Appropriation	$650 00
Cost of work	618 89
Balance	$31 11

Resolution No. 131, approved May 4, 1891, to place gutter plates over the east and west gutters at the intersection of Gilmor street and Lafayette avenue.

Appropriation	$1,300 00
Cost of work	1,102 94
Balance	$197 06

Resolution No. 132, approved May 4, 1891, to place gutter plates over the south gutter at the intersection of Charles and Barre streets; also, to place gutter plates over the north and south gutters at the intersection of Charles and Lee streets.

Appropriation for Charles and Barre streets.	$ 350 00
Appropriation for Charles and Lee streets..	1,200 00
	$1,550 00
Cost of work	1,345 27
Balance	$204 73

Resolution No. 150, approved May 11, 1891, to place gutter plates over the south gutter at the intersection of Chesapeake and Hudson streets.

Appropriation	$400 00
Cost of work	399 26
Balance	$ 74

Resolution No. 151, approved May 11, 1891, to place gutter plates over the east gutter at the intersection of Canton and Elliott streets.

Appropriation	$650 00
Cost of work	575 48
Balance	$74 52

Resolution No. 152, approved May 11, 1891, to place gutter plates over the east gutter at the intersection of Gay and Forrest streets.

Appropriation	$1,800 00
Cost of work	905 01
Balance	$894 99

When the estimate for this work was made, it was supposed that a large section of the asphalt pavement in Forrest street would have to be taken up and relaid, but when the work was laid out, it was found that the grade could be so arranged as to avoid that expense; hence the large balance shown.

Resolution No. 171 and Resolution No. 172, approved May 12, 1891, to place gutter plates over the east and west gutters at the intersection of Pennsylvania avenue and Mosher street.

Appropriation	$1,600 00
Cost of work	1,081 53
Balance	$518 47

Resolution No. 212, approved May 25, 1891, to place gutter plates over the north and south gutters at the intersection of Saratoga and Courtland streets.

Appropriation	$1,200 00
Cost of work	833 59
Balance	$366 41

Resolution No. 260, approved June 17, 1891, to place gutter plates over the east and west gutters at the intersection of Mosher street and Myrtle avenue.

Appropriation	$1,400 00
Cost of work	895 06
Balance	$504 94

The contract for furnishing the iron gutter plates for the year 1891 was awarded to John Walz & Co.; contract price, one and a quarter cents per pound.

The work of constructing the gutters and laying the plates was commenced in May. After the work had progressed to some extent, it became apparent that Walz & Co., for want of proper facilities, such as shop room, &c., could not furnish the plates as rapidly as they would be required to enable this department to complete all the work ordered by resolutions of the Council to be done during the year. It was also found that the iron used by the said firm in the manufacture of the plates was of very inferior quality, and that the workmanship was of a character inferior to that required by the specifications.

Several discussions of this subject, at which Mr. Walz was present, failed to secure the desired result, and it was finally decided that the interests of the City required the transfer of the contract to some party possessing such facilities for the manufacture of the plates as would insure the completion of all the work ordered by the Council before the opening of winter. Accordingly, the contract with John Walz & Co. was annulled, and a contract was made with the Campbell & Zell Co., in which the said company agreed to furnish all the plates required to carry into effect the existing resolutions of the Council, at the rate of one and five-eighths cents per pound.

Twenty-five gutters were covered with iron plates during the year 1891, including four gutters constructed in connection with the new asphalt pavement at the Richmond Market.

The whole work was completed in November, 1891.

Resolution No. 286, approved October 2, 1891, to have stone gutter covers placed over the east gutter at the intersection of Park avenue and Saratoga street.

Bids for furnishing the stone covers, kerb and fender posts were received, the lowest being that of John Harris, to whom the contract was awarded on October 15, 1891.

Contract Prices.

Stone covers, 85 cents per square foot.

Kerbstone, 95 cents per linear foot.

Fender posts, $4.50 per post.

The work was commenced on December 10, 1891, and up to December 31 had not been completed.

The work will be completed early in January, unless prevented by bad weather.

Appropriation	$1,400 00
Amount expended to December 31	761 48
Balance	$638 52

I would respectfully ask that this balance be reappropriated in the levy for 1892, to defray the cost of completing the work.

FLAGSTONES PUT DOWN IN 1891.

Charged to "Flags and Stepping Stones."

Location.	No. of Rows.
Wolfe and McElderry streets	1
Parkin and Lemon streets	1
Calhoun, near Hollins street	1
Fulton avenue and Lombard street	1
Dover street and Addison alley	2
Columbia avenue and Wooster street	1
Mary Anna and Pulaski streets	2
Hill, near Hanover street	1
Pratt street and Slemmer's alley	1
Forster avenue and Essex street	1
Light and Camden streets	1
Hudson and Patuxent streets	2
Forster avenue and Burke street	1
Chase street and Broadway	1
Cumberland and Carey streets	1
Baker and Calhoun streets	1
Falls road and Third avenue	3
Falls road and Fourth avenue	1
York road and Fifth street	1
Ohio avenue and Poppleton street	1
North and Biddle streets	2
Eutaw and Rose streets	1
Jenkins alley and Laurens street	1
Park avenue and Reservoir street	1
Monument and Howard streets	1
Linden and North avenues	2
Gilmor and Lorman streets	1

Location.	No. of Rows.
Goodman's alley and Heath street	2
Cross and Compton streets	1
Exeter and Front streets	1
Gough and Durham streets	1
Fairmount avenue and Chapel street	1
Biddle and Tessier streets	1
Mulberry street and Myrtle avenue	1
Lombard, near Paca street	1
Henrietta and Eutaw streets	2
Front and Low streets	1
Hillen and Ensor streets	1
Harford avenue and Forrest street	1
Hoffman street, near Argyle avenue	1
Stricker street and Riggs avenue	1
Lexington and Davis streets	1
Fayette, near Calvert street	1
Barre and Ridgely streets	1
Baltimore, near Calvert street	1
Mulberry street, near Fremont avenue	1
Fremont avenue and Lexington street	1
Hamburg street and Battery avenue	1
Biddle and Ann streets	1
Gay and Washington streets	1
Lafayette and Arlington avenues	1
Jefferson street and Collington avenue	1
North avenue, near Linden avenue	1
North avenue, near Bolton street	1
St. Paul and Fifth streets	2
Total	65

Amount of appropriation	$5,000 00
Amount expended	4,992 87
Balance	$7 13
Average cost per row	$76 81⅓

The following flags were ordered by special Resolution No. 45, approved February 18th, 1891.

Location.	No. of Rows.
Calvert and German streets	1
South and German streets	1
South street and Exchange place	1
Total	3

Amount of appropriation	$225 00
Amount expended	171 88
Balance	$53 12

All flagstone crossings put down during the year were furnished by James H. Atkinson, Contractor, at the following prices :

Flags, 28 cents per square foot.

Blocks, $1.50 per square yard.

GRADES ESTABLISHED.

1891.

March 2—Fourth street, from Hampden avenue to Oak street.

March 2—Fifth street, from Hampden avenue to Oak street.

1891.

March 2—Huntingdon avenue, from Oak street to a point about 500 feet northwest of Baltimore Belt Railroad crossing.

March 2—Quaker lane, from Gutman's avenue to a point about 500 feet northeast of Baltimore Belt Railroad crossing.

March 2—Calvert street, from Fifth street to Eighth street.

March 2—Guilford avenue, from Fourth street to Eighth street.

March 2—Barclay street, from Huntingdon avenue to Eighth street.

March 2—Fifth street, from Calvert street to York road.

March 2—Huntington avenue, from Calvert street to Barclay street.

March 2—Seventh street, from St. Paul street to York road.

March 16—Fifth lane, from Jackson street east to the water.

March 25—Wooster street, from Columbia avenue to Nanticoke street.

April 20—Cannon street, from Fayette street to Orleans street.

June 26—Huntingdon avenue, from Oak street to a point about 1,200 feet northwest of Baltimore Belt Railroad crossing.

1891.

August 31—Whitelock lane, from Druid Hill avenue to North avenue.

October 27—Belvidere street, from the south side of Oliver street to north side of tracks of Union Railroad Company.

December 29—Extension of Reservoir street, from Park avenue to Robert street.

CONSTRUCTION OF NEW SEWERS.

Extension of Wolfe Street Sewer.

Ordinance No. 163, passed over the Mayor's veto, October 22, 1890, provides the sum of $5,000 for the construction of a sewer in Wolfe street, from Fairmount avenue to Jefferson street. Subsequently a survey and estimate of cost were made, and it was found that $15,000, more or less, would be required.

By Ordinance No. 47, approved April 30, 1891, the sum of $15,000 was appropriated for the purpose named.

The construction of Wolfe Street sewer was commenced on November 9, 1891, and up to 31st December 606½ feet had been completed.

Contracts for furnishing the materials were awarded to the lowest bidders for the same. They are as follows:

Daniel Donnelly, bricks, at $7.29 per thousand.

S. M. Hamilton & Co., Cumberland cement, $1.18 per barrel.

C. C. McColgan & Co., Portland cement, $2.75 per barrel.

Patrick Keelty, sand, 84 cents per cubic yard.

Campbell & Zell Co., three manhole castings and five trap-doors, $119.50.

Campbell & Zell Co., 100 feet of iron pipe, at $2.17 per foot.

Maryland Granite Co., stone, at $1.75 per cubic yard.

Extension of Jenkins' Run Sewer, North of North Boundary avenue.

This sewer was constructed in accordance with Ordinance No. 106 of 1889 and No. 82 of 1891, in two sections, the first of which began near the north building line of Boundary avenue, connecting the sewer passing through Greenmount Cemetery at its northwest corner, and following the bed of Jenkins run for 162 feet 10 inches to Jenkins street, thence by curve of 60 feet radius to left 35 feet 5 inches to the centre of Jenkins street; thence along the centre of Jenkins street, 79 feet 8 inches to a point 27 feet south of First street; thence by curve of 60 feet radius to right 94 feet 3 inches to the centre of First street, making total distance of 373 feet 3 inches.

The second section begins at the end of the first and runs along the centre of First street 155 feet to a point 28 feet west of Boone street, thence by curve 60 feet radius to the left to the centre of Boone street, then along the centre of Boone street 23 feet, thence along Boone street by canal 124 feet to a point where it intersects Jenkins run.

Length of arched sewer	272 feet	3 inches.
" " " canal	124 "	0 "
	396 feet	3 inches.

The dimensions of the first section are as follows, viz:

20 linear feet—18 feet 6 inches span, side walls 4 feet high, from floor to soffit of arch 10½ feet.

224 " " —12 feet span, side walls 4 feet high, from floor to soffit of arch 10½ feet.

128½ " " —Circular, 10½ feet diameter.

Second Section.

272 ft. 3 in. linear feet circular, 10½ ft. diameter (arched).
124 " 0 " canal.

396 ft. 3 in.

Penn Street Sewer.

The damages assessed in the opening of this street, amounting to $31,851.70, were not placed in the levy for 1891 in consequence of the fact that there were

two appeals taken from the decision of the Commissioners for Opening streets, the appellants being Messrs. Ruth and Shaab. These suits have since been withdrawn and there is now no legal impediment in the way of proceeding with the construction of the sewer, except that the awards for damages have not been paid. I recommend that they be settled without delay, as there is great danger in this district from floods.

REPORT OF CHARLES P. KAHLER, ASSISTANT CITY COMMISSIONER.

A. E. SMYRK, ESQ.,

City Commissioner.

SIR—I have the honor to submit the following report, showing the location and nature of the work done during the past year on the various sewers under my charge and supervision.

I herewith present the accompanying table, furnished from the records of the Signal Office in this City, showing the amount of rain which fell the past year:

TABLE SHOWING NUMBER OF DAYS AND VOLUME OF RAINFALL FOR EACH MONTH, FOR THE YEAR 1891.

1891.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Number of days	13	16	18	10	14	11	14	13	5	9	11	9	143
Number of inches	4.89	5.52	7.94	2.48	3.11	5.45	7.79	4.24	5.46	2.76	1.33	3.24	54.21

NEW SEWERS AND INLETS.

The work done in accordance with the ordinances and resolutions of the Mayor and City Council is as follows:

Northeast Branch of Gwynn's Run.

With the exception of the section of sewer now being constructed in Smallwood, Franklin and Pulaski streets, little has been done along the line of this run during the past year but to fill over the sections of sewer already constructed.

Franklin and Pulaski Streets Section.

This section of the sewer to discharge the water of the northeast branch of Gwynn's run is being constructed from a point in Smallwood street one hundred and sixty and one-quarter feet south from the intersection of Smallwood and Franklin streets, in the beds of Smallwood, Franklin and Pulaski streets, to connect with the section eleven feet in diameter, heretofore constructed in Pulaski street, from the south side of Edmondson avenue.

This work is of the same character as that done in the sections heretofore constructed along the line of this run, due care being taken to construct it of the proper capacity, and in the strongest and most substantial manner.

The section is circular in shape, eleven feet in diameter, built in a cradle of rubble stone masonry laid in

hydraulic cement. The invert to the height of one-fourth of the diameter of the sewer consists of granite blocks nine inches deep laid in Portland cement. The balance of the invert is of brick, two rings, nine inches thick; the arch is of brick, three rings, thirteen and one-half inches thick, backed up with a sufficient weight of stone masonry to prevent its giving away or settling.

The wing walls, 15 feet in length, the parapet wall, the foundation for the apron and the apron at the outfall; 104 feet of straight with a grade of 10 inches per 100 feet in Smallwood street; $96\frac{49}{100}$ feet of curve, 60 feet radius, with a grade of 1 foot per 100 feet at the intersection of Smallwood and Franklin streets; $286\frac{63}{100}$ feet of straight, with a grade of 10 inches per 100 feet in Franklin street, and $9\frac{64}{100}$ feet of the curve, 60 feet radius, with a grade of 1 foot per 100 feet at the intersection of Franklin and Pulaski streets, have been completed, making a total of $493\frac{76}{100}$ feet.

There remain to be completed $86\frac{78}{100}$ feet of the curve at the intersection of Franklin and Pulaski streets, $377\frac{1}{2}$ feet of straight in Pulaski street, the man-holes and the inlets.

The completion of this section of sewer will make the large tract of land between Fulton avenue and the main Gwynn's run and Franklin street and Lafayette avenue available for building purposes.

Eutaw and Fremont Streets Intercepting Sewer.

This sewer is constructed in the beds of Eutaw and Fremont streets, from the Middle Branch of the Patapsco river to intercept the Chatsworth Run sewer at the intersection of Fremont street and Columbia avenue.

It is 3,617 feet 8 inches in length. There are six sections, varying in size from 12 feet wide by 8 feet high at its mouth to 7 feet in diameter at its head.

The first five sections, to the intersection of Fremont and South Paca streets, having a total length of 3,336 feet 8 inches, have a grade of six inches per one hundred feet, and the remaining 281 feet of the seven-feet section has a grade of one foot nine and one-half inches per one hundred feet until the grade line intercepts the Chatsworth run sewer at a point 1 foot 9 inches below the grade of that sewer.

The construction of the first and second sections and all but 105 feet of the third, to the intersection of Fremont and Warner streets, was fully described in the annual report of 1890.

Work was commenced in the early part of January from this point, and the third section continued 105 feet to the intersection of Hamburg and Fremont streets. A conical section 8 feet long was here constructed, reducing the diameter of the sewer from 8 feet 9 inches to 8 feet 6 inches.

The fourth section is circular in shape, 8 feet 6 inches in diameter, and extends from the intersection of Hamburg and Fremont streets, to the intersection of Barre and Fremont streets being 674 feet 6 inches long. At the latter intersection another conical section 8 feet long was constructed which reduced the section of sewer to 8 feet 3 inches in diameter.

The fifth section was then constructed to the intersection of South Paca and Fremont streets, and has a length of 642 feet 2 inches. At this point another conical section 8 feet long was constructed, reducing the size of the sewer to 7 feet in diameter.

This last or sixth section was then carried to the junction at Fremont street and Columbia avenue, a distance of 281 feet.

At the point of junction the old Chatsworth Run sewer is of the following dimensions: 15 feet wide and 7 feet high to intrados of arch. The bottom was of rough rubble stone, and had a dip of about three inches from side walls to centre. The abutments were of stone, three feet high above the bottom. On these rested the segment arch of rubble stone. An excavation was made sufficiently large to tear away all the old sewer at this point.

The conical section connecting the old sewer and the intercepting sewer with the reconstructed section in the intersection of Columbia avenue and Fremont street is 15 feet wide at its lower end, 18 feet wide at

its upper, and 20 feet 1¼ inches long. The angle of intersection of the new and the old sewer being very acute (16 degrees and 15 minutes), the opening into the 7-foot sewer is 19 feet 1 inch wide. As the grade of the former is 1 foot 9 inches below the latter, it was necessary to build a drop. The lower portion of this drop consists of 10-inch flags, 9 feet wide, laid to the grade of the new sewer for a distance of 21 feet 9 inches from the upper end of the junction. On these flags the stone abutment was built in its proper position, and at the upper end another stone wall was built on which is placed the 10-inch drip stone at the grade of the granite block bottom of the conical section. To increase the area of the opening into the new intercepting sewer, this drip stone, which is two feet wide, is curved in toward the centre of the conical section. At the south side of this opening, at the intersection of the west side of the circular intercepting sewer with the east side of the old Chatsworth Run sewer, a cut-water pier was constructed, 1 foot 6 inches above the top of the above-described drip stone.

At the north side of this opening, at the intersection of the east side of the intercepting sewer with the east side of the reconstructed section of the old Chatsworth Run sewer, the abutment was constructed 1 foot 3 inches above described drip stone.

On the above-described cut-water pier and abutment a casting was set, forming an irregular shaped arch, having a rise of 3 feet 6 inches and a span of 20 feet 4

inches over the opening. This casting being so shaped as to form an exact skew-back at every point on it for the arch of the conical section, and permits the arch of the intercepting sewer to exactly abut against it at every point; the intrados of the irregular arch of the casting, the intrados of the conical section, and the intrados of the seven-feet section forming a clean, smooth surface.

This is the second time, I believe, that this mode of connecting two sewers at such an acute angle has ever been used, the first one being the connection I made of the Carey Street relief sewer with the Schroeder's Run sewer.

The old Chatsworth Run sewer was torn away for a distance of ten feet below the south end of the junction and completely renewed with granite sewer blocks in the bottom, cut stone abutments and segmental arch of four rings of bricks, eighteen inches thick. Above the junction was built a section thirteen feet long, of the reconstructed section of the Chatsworth Run sewer in the intersection of Fremont street and Columbia avenue. This section is eighteen feet wide, and in the centre seven feet three inches high to intrados of arch. The bottom is of granite blocks, laid in the best Portland cement, and takes the shape of an inverted arch, having a rise of six inches from the centre to the abutments. These abutments are of stone, five feet thick, and are carried two feet nine inches above the top of blocks. The arch is the segment of a circle

having a radius of twelve feet one and one half inches, and a rise of four feet. It is built of four rings of bricks, eighteen inches thick, laid in best American hydraulic cement, and rests on skew-back stones which form part of the abutments.

Twenty-two inlets have been constructed where necessary at all street intersections, and all cross-gutters removed from the beds of Eutaw and Fremont streets.

North of the intersection of Warner and Fremont streets there are five man-holes on the line of the new sewer and one in the reconstructed section in the intersection of Columbia avenue and Fremont street.

The remainder of the old sewer in the intersection of Fremont street and Columbia avenue is to be torn out and reconstructed and the old Fremont Street sewer connected with it before this work is completed. This can only be done when Penn street is opened from the intersection of Fremont street and Columbia avenue to Haw street and the new Penn Street sewer constructed in its bed.

Penn Street Sewer.

Owing to the condemnation proceedings in connection with the opening of Penn street not having been completed, work on this sewer could not be commenced. It will be constructed from the present Chatsworth Run sewer in the intersection of Fremont street and Columbia avenue in the bed of Penn street,

to connect with the newly-constructed portion of Chatsworth Run sewer, between Portland and Dover streets.

Jenkins Run Sewer.

This sewer extends in the old bed of Jenkins run, from the opening in the east wall of Jones' falls, north of the Preston Street bridge, until it intercepts Carter alley, thence northerly in the bed of Carter alley where it connects with the old sewer at the north building line of Federal street.

Its total length is 1,217 feet, and it has a rise from its mouth to the junction with the old sewer of thirty feet. There are two sections; the first, to the Union Railroad tracks, is 290¼ feet long, fifteen feet wide and twelve feet six inches high; the second, 926¾ feet long, is ten feet wide and ten feet two and one-half inches high. The construction of the lower section and all but 475 feet of the upper one, including the five vertical drops, was completely described in the annual report of last year.

Work began at the opening of the year 1891, at the lower end of the curve which passes from the bed of Jenkins run into Carter alley. The average cut to the east building line of Federal street was about ten feet.

In this excavation the sewer was constructed as follows: The bottom, of granite blocks, was laid in the best Portland cement, and has the shape of an inverted

arch, rising six inches from the centre to the abutments. The abutments, which were constructed to the depth necessary to secure a solid foundation, are three feet six inches thick and four feet eight and one-half inches high from the top of blocks to the spring line of the arch. They are built of good rubble stone laid in American hydraulic cement, and the stone dressed to show on the face two feet six inches above the blocks. To save dressed stone, two rings of bricks were built in the face of the abutments from the top of the dressed stone to the spring line of the arch to a height of two feet two and one-half inches. The arch is semi-circular, having a span of ten feet and a rise of five feet, and is built of three rings of bricks, thirteen and one half inches thick, laid in American hydraulic cement, the whole backed up with a sufficient weight of stone masonry to sustain it.

Two iron pipes 24 inches in diameter, were built in the abutments for the inlet connections at the centre line of Oliver street.

In the intersection of Federal street and Carter alley, on the south side, is constructed a conical section 24 feet 6 inches long, and 18 feet 5 inches wide at its upper end. An opening for a connection was built in the northeast end of this conical section ; this was walled up. It is similar in section to the main part of the sewer, though only 8 feet wide and 9 feet 2½ inches high. It is built to accommodate an intercepting sewer that may in the future have to be constructed in the bed of Federal street and Greenmount avenue.

The arch over this conical section is semi-circular at its lower end and elliptical at its upper, having a span of 18 feet 5 inches, and a rise of 6 feet 6 inches; it is built of four rings of brick, 18 inches thick. The excavation for this conical section was through made ground, which had to be carefully timbered and was carried 26 feet below the surface of the street.

Between the upper end of this conical section and the beginning of the final curve, which forms part of the junction with the old sewer, there was constructed a straight piece of sewer of regular section 28 feet long. In the west abutment of this, on a line 17 feet 5 inches south of the north curb line of Federal street, a stone shaft was constructed, 4 feet square and 8 feet 4 inches high, having at its bottom a cast-iron invert of 4 feet diameter, 6 feet long, with a cast-iron arch collar over its lower end 2 feet long by 2 feet high. This shaft is built to accommodate a sewer that must be built in the future west in the bed of Federal street to Barclay street.

The junction of the new with the old sewer came exactly on the north building line of Federal street, and almost directly under the foundations of the houses, so a shaft was carefully constructed, having its upper end four feet south of the building line, and when down to sufficient depth, a drift was made north to the building line, and the ground supported by 12-inch timbers. By this method no settlement took place, and the foundations of the houses overhead

were not disturbed. The depth of cut from the surface to the foundation of the granite blocks was 24 feet 6 inches.

The old sewer where the junction was made is built on a curve; it has a wooden floor of 3 by 12-inch planks, is 8 feet wide and 7 feet high. The abutments consist of rubble stone masonry, rising 3 feet above the bottom, and the arch of stone, having a rise of 4 feet and span of 8 feet.

The junction was constructed by a curve of 30 feet radius, 9 feet 8½ inches long, and a piece of straight sewer 11 feet 10 inches long. It is not a conical section, as the abutments are built 10 feet apart, but the arch flattens 1 foot in the straight portion, so as to have a span of 10 feet and a rise of 4 feet, and at the same time the key of the arch drops 3 feet 5 inches in the length of the curve and straight, making the construction somewhat intricate. The stone backing was built hard under the timbers of the drift and the shaft, to prevent any settlement occurring in the future.

Three man-holes are built, one in the bed of Oliver street and two in the bed of Federal street, and an inlet 8 feet by 2 feet on the west side of Belvidere street over the north side of the sewer.

Hoffman Street Sewer.

This sewer, which is to be constructed from the Jenkins Run sewer, east in Hoffman street across Greenmount avenue to Homewood avenue, will be commenced in the spring.

Lovegrove Alley Sewer.

This sewer has been constructed in the bed of Lovegrove alley, from Adams alley to First street, and has a total length of 691 feet 8 inches, with a grade of one foot four and one-quarter inches per one hundred feet. At its lower end it connects with the old sewer that empties into Jones' falls east of the Charles Street bridge, and at its upper end is connected with the old sewer in Lovegrove alley at First street.

Before the construction of this sewer the course of the water after leaving First street was through a small circular sewer three feet in diameter. The bottom of this three-feet sewer at the above intersection, was constructed eighteen inches above the bottom of the old sewer to which it was connected, forming a dam which made a receptacle into which all the filth passing down the old sewer was collected. It was constructed through private property to a culvert under North avenue, about fifty feet west of Lovegrove alley to the south side of North avenue, the water then passed through a gully to the head of the old sewer at Adams alley. The new sewer now being constructed leaves all the property over the old line ready for improvement.

Work was begun on the body of the sewer on June 10th, 1891.

The sewer for a distance of 658 feet is nearly circular in shape, having an invert of three feet radius, an

arch of three feet radius and a rectangle of six inches by six feet between the invert and the arch. The invert to a height of one foot seven inches is of granite blocks laid in Portland cement; the remainder of the invert and arch is of two rings of bricks, nine inches thick, all laid in the best American hydraulic cement, and the arch is backed up with sufficient stone masonry to prevent its giving way or settling. The excavation of the trench over the whole line averaged fifteen feet in depth.

In the south side of the intersection of Lovegrove alley and First street is built a conical section twenty-one feet long and twelve feet nine inches wide at its upper end, having an elliptical arch of three rings of brick, thirteen and one-half inches thick, in which an opening of the same section as the body of the sewer was left in the east side for future use in constructing an intercepting sewer east in First street.

The grade of the new sewer being three feet nine inches below that of the old, the junction is formed by a conical section seven feet eight inches long, the bottom of which consists of five stone steps, rising nine inches, and the arch, which is slightly elliptical, of two rings of bricks, nine inches thick.

The old sewer was renewed above this junction for a distance of four feet.

The stone culvert under North avenue was sealed at a point about nine feet out from the south curb, a man-

hole constructed, and a connection made from it to the new sewer by forty-one feet six inches of twenty-four-inch iron pipe.

Four man-holes were built; the one between North avenue and First street connecting with both the new sewer and the old three foot sewer.

Two inlets have been built; one on the south side of North avenue, east of Lovegrove alley, and one on the northwest corner of North avenue and Lovegrove alley. There remains to be constructed four inlets at the intersection of Lovegrove alley and First street, and the man-holes topped off.

Carey and Calhoun Streets Relief Sewer.

The first and second sections of this sewer are now in course of construction.

Work on the first section was commenced by making an excavation in Carey street, south of Ramsay street, and opening the old Schroeder's Run sewer, in order to construct a new connection 109 feet 10 inches long for the old Carey Street sewer. This connection is 7 feet in diameter, and extends north in Carey street from this opening, connecting with the old sewer at the north curb line of Ramsay street.

The foundations and abutments or side walls having been built, and the granite block bottom laid, a cast-iron arch collar was set in place. Against this collar

the arches of the old Schroeder's Run sewer and of the new connection when they were built abutted. This made a strong, solid connection, the junction of the two arches being at an angle of 22¼ degrees. I believe this is the first time two arches, meeting at such an acute angle, have been successfully constructed, and also the first time a junction has been made in this manner.

When this connection was completed the new sewer was connected, 10½ feet south of the south building line of Ramsay street, with that portion of the old Carey Street sewer which had been cut off from it by the connection heretofore described. If this had not been done, it would have been necessary to have torn out the present sewer in Carey street, from where it discharges into the old Schroeder's Run sewer to Ramsay street, and constructed a section of sewer 10 feet in diameter in Carey street, into which the old Carey Street sewer and the new relief sewer would discharge. The bottom of the old Carey Street sewer and of the Schroeder's Run sewer having been constructed so close to the surface of the street, there was not sufficient head room to construct a section of such a diameter without raising the bed of Carey street considerably. On this account, and also on account of the greater cost of the larger section, the plan as constructed was adopted.

Each sewer by this means will have a separate and distinct outlet into the Schroeder's Run sewer, which is 14 feet wide by 8 feet high at this point.

The *first section*, commencing at a point in Carey street, 10½ feet south of Ramsay street, is being constructed in Carey, Ramsay and Calhoun streets, and will connect with the second section at the north side of Baltimore street, a distance of about 2,312 feet, with a grade of $1\frac{98}{100}$ feet per 100 feet. Of this section 1,524 feet of sewer to Lombard street, five man-holes and ten inlets have been completed.

The *second section*, 6 feet 6 inches in diameter, which is being constructed in tunnel, will, when completed, be 1,926 feet long, and has a grade of 1 foot per 100 feet; it will extend in Calhoun street, from the end of the first section at the north side of Baltimore street to Franklin street.

Four shafts have been sunk in this section.

The first, No. 1, in Calhoun street, 66 feet north of Baltimore street, 16 feet long by 10 feet wide, was sunk to the depth of 19 feet to the bottom of its sump, which is 4 feet 11 inches below the grade line of the sewer. The bottom, sides and ends were lined with stone masonry.

At this shaft a hoisting engine worked by horse power was used. South from the shaft for a distance of 47½ feet, and north from it for a distance of 607 feet 2 inches, to shaft No. 2, the sewer has been completed.

Shaft No. 2, of the same dimensions as No. 1, was sunk to a depth of 33 feet to the bottom of its sump,

5 feet 5 inches below the grade line of the sewer; the sides and ends of it were lined with stone masonry.

At this shaft a boiler and steam hoisting engine were placed in position, and also two elevators by which material is raised or lowered in the shaft. The sewer has been completed north of shaft No. 2 for the distance of 512¼ feet.

At the distance of 725 feet 11 inches north of shaft No. 2, shaft No. 3, 18 feet by 10 feet wide, was sunk to the depth of 31¼ feet to the bottom of its sump, five feet below the grade line of the sewer; the sides and ends of this are also lined with stone masonry. At this shaft a boiler, steam hoisting engine and two elevators were also placed in position, by which material is raised or lowered in the shaft. The sewer has been completed 86 feet 7½ inches south from this shaft, leaving a balance of 127 feet to be completed between shafts Nos. 2 and 3. North of this shaft the sewer has been completed for the distance of 71½ feet.

At the distance of 489½ feet north of shaft No. 3, shaft No. 4, of the same dimensions as No. 3, was sunk to a depth of twenty-one feet two inches to the bottom of its sump, four feet six inches below the grade line of the sewer; the sides and ends of this are also lined with stone masonry. A boiler and steam-hoisting engine were placed in position to raise or lower the material in the shaft.

The sewer has been completed 37 feet 2 inches south from this shaft, leaving a balance of 370 feet 10 inches to be completed between shafts Nos. 3 and 4. It has also been completed to a point 24 feet north from this shaft, which is near the end of this section.

The character of the soil through which the tunnel is now being driven is a conglomeration of sand, gravel and mica, filled with water above the spring line of the sewer, and of a shaly character below it. In all the headings being driven, there is a heavy flow of water into the tunnel from this upper stratum, requiring constant care and watchfulness in the timbering, to prevent this material from running into the tunnel and the street overhead from caving in.

At shaft No. 2 there are two steam ejectors to discharge the water, at No. 3 there is one to discharge it, and at No. 4 there is a Knowles' steam pump to discharge it; these are kept going almost constantly to keep the tunnel clear of water. The water rose twice in shaft No. 4 above the top of the sewer whilst the pump was being adjusted.

In the tunnel section 1,385 feet 10 inches of the sewer have been completed, leaving a balance of 576 feet 2 inches to be completed.

The first section of sewer is circular in shape, and where necessary it is built in a cradle of rubble stone masonry. The invert to the height of one-fourth of the diameter consists of granite blocks, 9 inches deep,

laid in Portland cement. The balance of the invert and the arch are of brick, two rings 9 inches thick, backed up with a sufficient weight of stone masonry to prevent its giving way or settling, all laid in good hydraulic cement.

In the second or tunnel section the space between the arch and timbers (on account of the mode of timbering adopted) being small, is packed solid with bricks laid dry.

The two-feet lateral branch in Franklin street, from Calhoun street to Gilmor street, to take the flood of water from that street, has been commenced.

The construction of the other sections and the lateral branches of this sewer will follow upon the completion of the above-described sections.

Eden Street Sewer.

This sewer is being constructed from the City Dock in the bed of Eden street, to Eastern avenue, thence in Eastern avenue to a point about midway between Eden street and Central avenue. It will be about 1,200 feet long and have a grade of 3 inches per 100 feet.

In order to get a secure foundation on which to construct this sewer, it was found necessary to drive piles as far as the excavation has been made, a distance of 730 feet, and there is every prospect, that in order to

get a secure foundation, the piling will have to be continued under the greater part of the sewer yet to be constructed.

Five hundred and nineteen piles have been driven for a distance of 620 feet, from its outfall to an average depth of 24 feet below the grade of the sewer. Four rows of 12x12 inches timber sills were laid, parallel with the centre line, on the piles and bolted thereto. To these sills the timber platform 12 feet wide, of Georgia pine 12 inches wide by 6 inches thick, is bolted.

At the outfall of the sewer it was necessary to build a coffer dam to keep back the water from the dock, as the excavation was 42 inches below mean low tide.

The sewer is oval in shape, built in a cradle of rubble stone masonry laid on the timber platform. It is 6 feet wide by 3 feet 3 inches high, the invert is of brick, two rings, nine inches thick, the arch is of brick, three rings, thirteen and one-half inches thick. The inner ring of the invert and arch are laid in Portland cement, the outer ones are laid in good American hydraulic cement. The arch is backed up with a sufficient weight of rubble stone masonry to prevent its giving away or settling.

The sewer has been completed for the distance of 555 feet, openings for the inlet connections are being left at each street intersection. Three man holes have been built and so arranged that a pipe connected with

the water main can be built in them for the attachment of a hose, so that the sewer having such a light grade can at any time be washed out from its head to the outfall.

Read Street Sewer.

This sewer has been commenced and will be constructed from a point in the west side of Jones' falls, westward in the line of Read street, through the property belonging to the Northern Central Railroad Company, (through which right of way was granted to the City), to the intersection of North and Read streets, thence still westward in Read street to the west side of Cathedral street.

Two lateral branches, the one north in Morton alley to Eager street, the other south in Morton alley to Madison street, will also be constructed.

On account of the heavy grade between Jones' falls and Calvert street, which was 6.74 feet per one hundred feet, it was deemed best to lay cast-iron pipe forty inches in diameter between these points. The balance of the sewer, from Calvert street west, will be built of brick.

Of this work 591½ feet of cast-iron pipe, 40 inches in diameter, have been laid, and 260½ feet of brick sewer, 4 feet in diameter, have been built.

The laying of the cast-iron pipes under the Northern Central Railroad tracks, with the trains constantly

running over them, was tedious and difficult. The excavation had to be made the same as by tunnel. There were two extraordinary heavy rain storms whilst the work was being done, the flood of water being so great it washed out the paving in the bed of Read street, between North and Calvert streets, as well as a portion of the railroad company's retaining wall along the east side of North street. This work was accomplished without any loss or accident.

Fulton Avenue, Eagle and Monroe Streets Sewer.

The right of way having been obtained from the Baltimore and Ohio Railroad Company to pass through their property at the foot of Fulton avenue, this sewer was commenced, and is now being constructed, from a point in Ohio avenue, south of the Baltimore and Ohio Railroad Company's tracks, and 74 feet east of the northeast corner of Carroll Park, southwesterly about 368 feet to a point on the south side of the Baltimore and Ohio Railroad tracks, thence northwesterly under the Baltimore and Ohio Railroad tracks to Fulton avenue, and thence in Fulton avenue, Eagle and Monroe streets to Ramsay street, with a branch north in Fulton avenue from Eagle street to Ramsay street.

Considerable trouble and difficulty were encountered in commencing this work, as about 40 feet of the small brick sewer, 3 feet 3 inches in diameter, belonging to the Baltimore and Ohio Railroad Company, which discharges all the drainage which comes from the north,

in Monroe street and Fulton avenue, had to be torn out, as it was in a bad condition, and in the line of the new sewer; about 195 feet west of the outfall of the new sewer this 3 feet 3 inches sewer will be connected with it.

The outfall of the new sewer has a drop of 5 feet 11 inches to the apron. An opening 2 feet 6 inches high by 6 feet wide was left in the north wing wall through which to discharge the water from a large box drain under the Baltimore and Ohio Railroad tracks.

The section of sewer as far as completed is circular in shape, 5 feet 9 inches in diameter, built in a cradle of rubble stone masonry laid in hydraulic cement.

The invert to the height of one-fourth of the diameter of the sewer, consists of granite blocks 9 inches deep laid in Portland cement. The balance of the invert and arch are of brick, two rings 9 inches thick, laid in good hydraulic cement; where necessary the arch is backed up with sufficient rubble stone masonry to prevent it giving away or settling.

The total length of the main sewer, in Ohio avenue, Fulton, Eagle and Monroe streets, will be about 2,105 feet. The branch in Fulton street, north from Eagle street, will be about 826 feet.

The wing walls, 15 feet in length, the parapet wall, the foundation for the apron, and the apron at the outfall, and about 175 feet of the 5 feet 9 inches section of this sewer, having a grade of $1\frac{96}{100}$ feet per 100 feet, have been completed.

Bush Street Sewer.

Legal difficulties about the right of way for the sewer prevented this work from being commenced. These have been about settled, and the plans and specifications for the materials will be ready for the work to be commenced in the spring.

Sewer in McHenry Street, from Gwynn's Run to Pulaski Street.

On account of the right of way from Gwynn's run to the intersection of Bentalou and McHenry streets not having been granted, nothing as yet has been done towards constructing this sewer.

Druid Hill Avenue Intercepting Sewer.

This sewer will be constructed from a point in the west side of Jones' falls, north of the North Avenue bridge, through the Northern Central Railway Company's property, and under their tracks to North avenue; thence westerly in the bed of North avenue to Park avenue; thence southerly in the bed of Park avenue to Laurens street, and thence southwesterly in the bed of Laurens street to Druid Hill avenue.

It is intended to relieve the old Druid Hill avenue sewer, it being of insufficient capacity, and drain that section of Druid Hill avenue at Laurens street which is flooded by every heavy rain, and also drain the section between North avenue and the Park.

The total length of the sewer will be about 4,430 feet, about half of which will be constructed in tunnel, and half in open cut.

The open cut will extend from the bank of Jones' falls to the first shaft of the tunnel, which will be located in the bed of North avenue, just east of the east building line of Park avenue, a distance of 2,041 feet 8 inches.

From the mouth to the end of the curve, which turns into Park avenue, the sewer will be 8 feet in diameter; the remainder, nearly all of which will be in tunnel, will be 7 feet in diameter.

The sections are constructed as follows: The invert to a vertical height of one-quarter of the diameter is built of granite blocks laid in the best Portland cement; the remainder of the invert consists of two rings of bricks 9 inches thick, and the arch of three rings of bricks, 13½ inches thick, laid in the best American hydraulic cement. The arch is backed up by a sufficient weight of rubble stone masonry to sustain it, and, where neceesary, the invert is built in a cradle of rubble stone masonry.

Work was started at a point about 183 feet from the outfall on June 29th, 1891.

In order to get under the old retaining wall of the Northern Central Railway, now rebuilt as the west abutment for the bridge of the Baltimore Belt Rail-

road, it was necessary to construct at this point a vertical drop, making a break in the grade of the sewer of 18 feet. For this drop a shaft 16 feet square was sunk 34 feet deep below the surface, through made ground for 17 feet, and solid rock for the remaining 17 feet.

In the bottom of this shaft, at the proper grade, is placed a cast-iron invert 1½ inches thick, 8 feet in diameter, and 12 feet long, made in four pieces. On this, 8 feet from the back end, is placed a cast-iron hood or arch collar of 8 feet diameter and 2 feet long.

The drop is 8 feet square, and the sides are carried up from the spring line and top of the hood to a distance of 18 feet to the spring line above. It is built of heavy dimension stone on the inner face, and backed up with rubble masonry, so as to have a thickness of 4 feet on all sides.

The centre of this drop or shaft, known as No. 1, is 183 feet from the outfall, and this lower portion is being built with a grade of 2 feet per 100 feet. The section under the bridge abutment is built throughout with the best Portland cement, and the spandrel walls are carried up level with the crown of the arch.

The grade of North avenue being too heavy to adopt as the grade of a sewer of such a size, three more of these vertical drops, having a total fall of 16 feet, will be constructed in the bed of North avenue, reducing

the grade of the several sections of sewer, between these drops, for the daily flow of the water to 1 foot 6 inches per 100 feet.

In the upper part of the west wall of the first drop are built four stone steps having a rise and tread of 1 foot each ; these reduce the actual drop of the daily flow of the water to 15 feet.

Sixteen feet west from the centre of this drop the curve begins which carries the line of the sewer into the bed of North avenue. This curve, which is of 60 feet radius, is 34 feet 8 inches long.

The stone work of the drop is completed and the invert built from the drop to the beginning of the curve. The excavation of the curve, which will be 23 feet deep, is half completed. Below the drop the invert is completed for a distance of 78 feet 3 inches, and the arch for a distance of 72 feet. The excavation to the bank of Jones' falls is completed to the depth of the spring line.

Howard Street Sewer.

This sewer was constructed in the east side of Howard street, from the old sewer, four feet six inches in diameter in Lexington street, to the north side of Mulberry street, a distance of nine hundred and two feet.

In order to connect the new sewer with the old one, it was necessary to temporarily change the connection of the inlet at the northeast corner of Lexington and

Howard streets with the sewer in Lexington street. This was done by laying thirty-six feet of cast-iron pipe twenty inches in diameter, from the inlet to an opening in the old sewer east of where the conical section was to be constructed for the connection of the new sewer.

This conical section is eleven and one-half feet long, circular in shape, four feet six inches in diameter at the east end where it connects with the old sewer, and elliptical in shape, nine feet wide by five feet two inches high at the west end, where it receives the old sewer in Lexington street, from the west side of Howard street, and the new sewer, four feet in diameter, from Howard street.

Much trouble attended the construction of this conical section, owing to the heavy flow of water which had to pass through it from the old sewer into which the water from street drainage and numerous drain-pipes and elevators discharged.

From this conical section the new sewer four feet in diameter was constructed, tangent to it for a distance of ten feet nine inches, thence by a curve with a radius of twenty feet, for a distance of twenty-two feet nine inches in Howard street.

From this point north in the east side of Howard street the section 4 feet in diameter was constructed for the distance of 343 feet 8 inches, with a grade of

0.692 feet per 100 feet, and 124 feet 4 inches, with a grade of 1.279 feet per 100 feet. The sewer for the remainder of the distance to the north side of Mulberry street, 388 feet 9 inches, with a grade of 2.93 feet per 100 feet, is 2 feet 9 inches in diameter. Owing to the character of the material in the bottom of the excavation for this section, for a distance of 304 feet the sewer had to be constructed in a cradle of rubble stone masonry.

In making the excavation in Howard street for this sewer, it was found that a number of drain pipes, all discharging water from elevators, were laid in the line of the trench in which the sewer was to be constructed. Believing the trouble and expense attending the construction of the sewer with the water from these pipes flowing through the trench greater than I was justified in permitting, after careful consideration, I decided to lay an intersecting pipe from Messrs. Simon & Son's pipe at Clay street, which was west of the line of the sewer, to a point north of Clay street, and connect all drains which were in the way of the sewer with it. This was done and worked successfully.

Two of the above mentioned drains were laid almost on a level from the old sewer at Lexington street to their heads, in consequence of which I was compelled to lay a pipe in a bed of concrete in the trench on the east side of the sewer, about the same grade as the old pipes, to their heads, where they were connected with it, as they were lower than the bottom of the sewer.

This only represents one of the many evils attending the granting of permits for the indiscriminate laying of any number of drain pipes in a street, where one pipe, if properly laid under the direction of this department, would better meet all the requirements, and be more economical, both for the City and the individual.

The invert of the section, four feet in diameter, was constructed of two rings of brick 9 inches thick, the outer one laid in the best hydraulic cement, and the inner one laid in the best Portland cement; the arch is of two rings of brick 9 inches thick, and laid in the best hydraulic cement.

The invert of the section, 2 feet 9 inches in diameter, to the height of one-fourth of the diameter, is of granite blocks laid in Portland cement; the balance of the invert and the arch are of two rings of brick 9 inches thick, all laid in the best hydraulic cement.

Five man-holes, about equal distances apart, and two inlets were completed. Openings for other inlets were left at each street intersection for the connections of other inlets as soon as the Belt Railroad tunnel is completed.

Owing to the difficulties encountered, some of which are above described, the progress of this work was slow.

Eager Street Sewer.

This sewer has been completed from the east side of Jones' falls, 36 feet south of the Eager Street bridge, through the Northern Central Railroad Company's property to the intersection of Eager and Buren streets, and thence in Eager, Valley, Chase and Ensor streets to the north side of Biddle street, a total distance of 2,961 feet 2½ inches.

The construction of a sewer in the bed of Eager street, from Jones' falls to Buren street, would have necessitated the cutting through the solid masonry of the east abutment of Eager Street bridge and the two abutments of the east bridge over the Northern Central Railroad tracks; therefore permission was obtained from the railroad company to construct the sewer through their property south of Eager street, from Jones' falls to the intersection of Buren and Eager streets.

Beginning at a point 10 feet above the bed of Jones' falls in the east retaining wall which was cut through, a section of sewer 4 feet in diameter, with a grade of 3 feet per 100 feet, was constructed for the distance of 42 feet 3 inches to a cast-iron invert 6 feet long with a cast-iron arch collar, both made to a diameter of 4 feet; above these a shaft of stone masonry was constructed to a point 4 feet 3½ inches above the bottom of the invert.

From this point the sewer was continued of the same size and grade for the distance of 96 feet 6 inches to a point under the west sidewalk of Buren street, to another cast-iron invert and stone shaft the same as the last, with a rise of 8 feet above the bottom of the invert; from this point the sewer was still continued of the same size and grade for the distance of 24 feet to another invert and shaft the same as the previous ones, with a rise of 5 feet 9 inches above the bottom of the invert, and about 10 feet below the surface of Eager street.

Above each of these shafts a man-hole was built to the surface.

The necessity for the construction of this portion of the sewer in the manner above described arose from the fact that for the distance of 162 feet 9 inches the fall was 22 feet.

This was too great for any material, except iron, to withstand.

The sewer was then constructed from the last-mentioned stone shaft in the bed of Eager and the other streets as heretofore described.

A ledge of hard rotten rock about 175 feet in length was encountered in the bottom of the trench, a greater portion of which had to be blasted.

The excavation for the trench varied in depth from 9½ to 20 feet, some portions of which were through

made ground, with a water main 24 inches in diameter lying only 3 feet south of the trench for the entire distance in Eager street.

In consequence of these conditions, as also on account of having to pass through the Northern Central Railroad Company's property under their tracks and the Western Maryland Railroad Company's tracks, over which trains were constantly passing, it was necessary, therefore, to timber these trenches in the most careful manner to prevent accident.

This sewer is circular in shape and wherever necessary it was built in a cradle of rubble stone, the invert to the height of one-fourth of the diameter is of granite blocks laid in Portland cement; the balance of the invert and the arch are of bricks, two rings nine inches thick, all laid in the best hydraulic cement.

Where the diameter of the sewer changed, conical sections, six feet in length, were constructed upon the heavier grade.

There were eleven man-holes at about equal distances apart, and fourteen inlets into the sewer built at the different street intersections along the line of it.

It may be necessary to construct several more inlets into it.

The intersections of Greenmount avenue and Eager street, Eager and McKim streets, Eager and Valley

streets, Valley and Chase streets, Chase and Ensor streets, and Ensor and Biddle streets, have all been readjusted and the gutters across these intersections, which in freezing weather were dangerous and a source of trouble and expense to the City to keep open, were removed.

The construction of this sewer in that section of the City gives the desired relief to the several localities heretofore flooded in times of heavy rains, and no complaints have arisen as to overflows since its completion.

The following table furnishes the lengths, internal diameters and grades of the various sections of this sewer:

Sections.	Length in Feet and Inches.	Diameter in Feet and Inches.	Grades per 100 Feet.
No. 1 straight.	93 3½	4 0	3.00
" curve...	8 9	4 0	3.00
" straight.	60 8	4 0	3.00
" "	49 5½	4 0	2.714
" curve...	15 6¼	4 0	2.714
" straight.	496 6¼	4 0	2.714
No. 2 "	295 3¾	5 0	0.5
No. 3 "	256 8¼	4 3	0.5
No. 4 "	376 11¾	3 3	2.246
" curve...	47 3	3 3	3.155
No. 5 straight.	440 7¼	3 0	3.155
" curve...	47 3¼	3 0	3.155
" straight.	357 3¼	3 0	1.962
" "	47 3¾	3 0	1.962
" "	368 3¾	3 0	1.962
	2,961 2½		

The following resolutions of the Mayor and City Council, authorizing the reconstruction and trapping of old inlets, were carried out:

Resolution No. 19, of February 5th, 1891, to trap inlet southwest corner of Central avenue and Baltimore street.

Resolution No. 86, of April 3d, 1891, to trap the four inlets at intersection of Baltimore and Arch streets.

Resolution No. 93, of April 9th, 1891, to trap the two inlets on the north and south sides of St. Mary's street, east of Pennsylvania avenue.

Resolution No. 111, of April 18th, 1891, to trap inlets, Pennsylvania avenue and Oxford street.

Resolution No. 121, of April 28th, 1891, to trap the two inlets southwest and southeast corners of Myrtle avenue and Mulberry street.

Resolution No. 127, of April 30th, 1891, to trap inlet northeast corner of McMechen street and Foster alley.

Resolution No. 135, of May 4th, 1891, to trap inlets on Calhoun street, between Harlem avenue and Lanvale street.

Resolution No. 136, of May 4th, 1891, to trap inlets at the intersection of Mosher and Calhoun streets, and

at the intersection of Lafayette avenue and Calhoun street, and at the intersection of Harlem avenue and Calhoun street.

Resolution No. 160, of May 11th, 1891, to construct two inlets, northeast and northwest corners of Central avenue and McElderry street.

Resolution No. 214, of May 25th, 1891, to construct two inlets and trap the four old inlets opening into old Schroeder's Run sewer in Lexington street, east of Arlington avenue.

Resolution No. 217, of May 26th, 1891, to remove old inlet and construct new trapped inlet, and remodel Booth street, at its intersection with the east side of Schroeder street.

Resolution No. 139, of May 6th, 1891, to trap the two inlets at the southwest corner of Howard and Lexington streets, could not be carried out, as alterations had to be made in the connections of these inlets with the main sewer, in consequence of the construction of the Belt Railroad tunnel.

Proposed Sewer for the Relief of Charles Street, from Lanvale Street to the North of North Avenue.

Great necessity exists for the construction of this sewer, as Charles street even in an average rain is impassible to pedestrians, and during extraordinary rains it has washed over the sidewalks at Charles and Lan-

vale streets, sometimes washing them out. A bad washout occurred there the past year during one of the heavy rain storms.

The plan proposed is to construct a sewer from Jones' falls, west of Charles street, through the Northern Central Railway Company's property (permission for which will be granted by the company) to the intersection of Charles and Lanvale streets, and from thence northwardly to one of the street intersections north of North avenue.

In concluding my report of this portion of the work placed under my charge, I would say the character of the work done and the results accomplished speak for themselves.

Respectfully submitted,

CHARLES P. KAHLER,

Assistant City Commissioner.

ORDINANCES PASSED AND APPROPRIATIONS MADE FOR CONSTRUCTING SEWERS AS FOLLOWS.

Ordinance No. 11, of 1889—Preston Street sewer	$85,000 00
Ordinance No. 12, of 1889—Section of sewer and inlets in connection with improvement of Mt. Royal avenue	11,000 00
Amount carried forward	$96,000 00

Amount brought forward	$96,000 00
Ordinance No. 15, of 1889—In Fulton avenue, from Baker Circle to Presbury street	23,000 00
Ordinance No. 108, of 1889—Low street, from East to Forrest	5,500 00
Ordinance No. 78, of 1889—Lovegrove alley, from Adam's alley to First street,	21,000 00
Ordinance No. 39, of 1890—Dolphin street, from John street to Linden avenue	12,000 00
Ordinance No. 43, of 1890—Cross street, from the river to Light street, and in Light, from West street to Warren avenue	112,000 00
Ordinance No. 55, of 1890—Penn street, from Haw street to Penn street, between Portland and Dover streets	61,000 00
Ordinance No. 162, of 1890—In Smallwood, Franklin and Pulaski streets	48,000 00
Ordinance No. 20, of 1891—McHenry street, from Gwynn's run to Pulaski street	17,700 00
Ordinance No. 42, of 1891—In Ann street to Gay street	11,000 00
Ordinance No. 48, of 1891—For relief of district drained by Druid Hill Avenue sewer	190,000 00
Amount carried forward	$597,200 00

Amount brought forward	$597,200 00
Ordinance No. 81, of 1891—In Fulton avenue and Eager street	48,950 00
Ordinance No. 109, of 1891—In Hoffman street, to Homewood avenue	12,600 00
Ordinance No. 164, of 1889—Eden street, from City Dock to Eastern avenue	36,500 00
Ordinance No. 123, of 1889—Ensor, Chase, Valley and Eager streets	53,000 00
Ordinance No. 124, of 1889—Eutaw and Fremont streets	175,000 00
Ordinance No. 170, of 1889—Carey Street relief sewer	275,000 00
Ordinance No. 26, of 1889—Ensor to Monument	5,000 00
Ordinance No. 118, of 1889—Jenkins lane and Carter alley	58,000 00
Ordinance No. 166, of 1889—Jenkins run, 350 feet north of North avenue	14,750 00
Ordinance No. 82, of 1891—Jenkins run continuation in First street, &c	15,500 00
Ordinance No. 144½, of 1890—Howard street, from Lexington to Mulberry street	16,000 00
Ordinance No. 97, of 1889—Presbury street and Bruce alley to North avenue,	33,500 00
Ordinance No. 4, of 1891—Read street, from Falls to Cathedral street	38,600 00
Amount carried forward	$1,379,600 00

Amount brought forward		$1,379,600 00
Ordinance No. 47, of 1891—Wolfe street, from Jefferson to Fairmount avenue	15,000 00	
Ordinance No. 146, of 1889—Pulaski street, from Edmondson avenue to Lanvale street	45,000 00	
Ordinance No. 165, of 1889—Bush and other streets	370,000 00	
Ordinance No. 79, of 1889—Wolfe street to Gay street	38,700 00	
Ordinance No. 79, of 1889—Sewer in Patterson Park	35,000 00	
Ordinance No. 79, of 1889—Abutments at Harris' Creek bridge	19,000 00	
Patapsco street, across Monument	3,000 00	
		$1,905,300 00

The amount appropriated exceeds the amount set apart for sewers from the Five Million Loan, $155,000.

The following report details the work done and improvements made during the year in the "City Annex," under the supervision of Mr. Charles A. Hook, Assistant City Commissioner, together with the work of constructing the sewers in Ann and Gay streets, and the sewer in Cross and Light streets, both important works.

A. E. SMYRK,

City Commissioner.

SIR—I respectfully submit the following report of operations in connection with works entrusted to my care and control during the year 1891 :

Ann and Gay Streets Sewer.

This sewer is circular in form, starting at a point on Ann street, about 127 feet south of Gay street, running thence in Ann street to Gay street, thence in Gay street on the east side to a point 126 feet south of Wolfe street, where it joins to a section of modern sewer, built in connection with the northern extension of Harford Run sewer.

The first or lower section is circular, with a diameter of 5 feet 9 inches. The upper section is circular, with a diameter of 4 feet. All that portion of this sewer in Gay street was built within an old sewer, and is confined within the street boundary, until it is joined up to the Ann Street sewer, in the centre of Ann street. That portion of the old stone sewer cut off has been filled and thoroughly rammed with dirt and ashes. The completion of this work will relieve the City from any further repairs to the old stone sewer which was settling and caving in in several places, causing dangerous holes in the bed of Gay street. The first section of this sewer (diameter 5 feet 9 inches) is $170\frac{1}{10}$ feet long. The second section (diameter 4 feet) is $285\frac{8}{10}$

feet long, making a total length of $455\frac{9}{10}$ feet. The invert or bottom of both sections is paved with blocks of stone. The brick work is supported in a stone cradle backed with a spandril wall of rubble.

The materials for the construction of this sewer were furnished by the following parties :

Albert Weber, sewer blocks, at $2.45 per square yard.

G. W. Robinson & Son, bricks, at $7.49 per thousand.

Bergman & Peddicord, rubble stone, at $2.00 per cubic yard.

Cements, C. C. McColgan Co., and S. M. Hamilton & Co.

Appropriation	$11,000 00
Expended	9,766 83
Balance	$ 1,233 17

Cross Street Sewer.

Mr. H. Gwynn was appointed the engineer of this work, and for an account of the work done there during the past year, I refer you to his report. I desire, however, to say that in view of the magnitude of the work, the length of tunnelling, the pile driving necessary, and the contracted space to work under ground, that the work has been rapidly executed. With a great deal of regret, I refer to the sad accident, where several men were hurt by the falling of one of the

cages. This seems to have been purely accidental; such accidents are common and are constantly occurring throughout the country on work of this character.

MR. H. GWYNN'S REPORT.

Cross Street Sewer.

This sewer was begun in December, 1890, and has been under steady construction during the present year.

During the 13 months since its commencement, 1,700 feet of tunnel work, 935 feet of open work, total 2,635 feet, and 4 inlets have been completed. Of 4 feet diameter there yet remains to be built in Light street 644.5 feet of open work, and 10 inlets.

Amount of appropriation	$112,000 00
Amount expended	80,433 89
Balance of appropriation	$ 31,566 11

This sewer, 3,279.5 feet in length, empties into the harbor at the foot of Cross street, runs up Cross street 2,146 feet to Light street, where it branches northward 719 feet to Warren avenue and southward 414.5 feet to West street, and drains the 51 acres lying between Light street and Johnson street on the west and east, and Montgomery street and Clement street on the north and south.

The tunnel portion in Cross street, between Light street and the harbor, is circular, 5 feet 9 inches in

diameter, and built of brick with Belgian block bottom to the height of 6 inches above grade, all laid in hydraulic cement. The grade of this portion is 625 feet per 100, giving a discharge of 260 cubic feet per second or the equivalent of 5 inches rainfall per hour. The branches in Light street are of 4 feet diameter, built of same material as above with stone bottom to height of 4 inches above grade. Grade of northern branch to Warren avenue is 672 feet per 100, giving a discharge of 100 cubic feet per second. Grade of southern branch to West street is 1.64 feet per 100, giving discharge of 160 cubic feet per second.

The cost of material on the work as furnished by contract, is as follows:

Brick, hand-made, per 1,000	$ 9 00
Brick, machine	8 50
Stone, per cubic yard	1 74
Cement, Rosendale	1 15
Cement, Portland	3 00
Georgia lumber, per 1,000 feet B. M	24 00
Virginia lumber, per 1,000 feet B. M	13 00

By Resolution No. 105, an appropriation of $500.00 was made to place an inlet to sewer on northeast corner of Eager and Chapel streets.

The work was done at a cost of $335.68.

Repairs to Sewers.

Under this general appropriation the following work was done:

The rebuilding of a wooden sewer across Caroline street, at Lanvale street.

The repairing of two culverts, one on Morris avenue, and one on Beach avenue; also one on Quaker lane.

There was expended in the execution of the above work $1,374.56.

Work Done in the Annex.

The following statement shows the work done by order of the Mayor and City Council:

Resolution No. 36, appropriating $1,500.00 to build a culvert on Jefferson street, between Montebello avenue and Independence street.

Expended	$1,445 63
Balance	54 32

Resolution No. 34, appropriating $400.00 to shell Friendship lane, or 11th street.

Expended	$389 12
Balance	10 88

Resolution No. 33, appropriating $500.00 to grade Jefferson street, between Frisby and Liberty streets.

Expended	$479 67
Balance	20 33

The above work was done by Leonard & McGovern at 27 cents per cubic yard.

Resolution No. 10, appropriating $400.00 to repair Brunswick street.

Expended	$396 30
Balance	3 70

Resolutions Nos. 49 and 261, appropriating $500.00 to repair Mine Bank lane.

Expended	$313 12
Balance	186 88

Resolution No. 42, appropriating $250.00 to repair Brehm's lane.

Expended	$250 00

Resolution No. 53, appropriating $1,200.00 to repair certain streets in the Twenty-second Ward.

Expended	$1,149 13
Balance	50 87

Resolution No. 61, appropriating $300.00 to repair Aisquith street.

Expended	$300 00

Resolution No. 94, appropriating $300.00 to repair Valley and Mount streets.

Expended	$294 09
Balance	5 91

Resolution No. 91, appropriating $1,000.00 to repair Windsor Mill road.

Expended	$996 28
Balance	3 72

Resolution No. 85, appropriating $1,000.00 to repair Gorsuch avenue.

Expended	$848 36
Balance	151 64

Resolution No. 92, appropriating $2,000.00 to macadamize Edmondson avenue.

Expended	$1,994 24
Balance	5 76

Resolutions Nos. 97 and 104, appropriating $1,450.00 to repair Garrison avenue and Garrison lane.

Expended	$1,440 81
Balance	9 19

Resolution No. 120, appropriating $650.00 to rebuild culvert and repair Maiden's Choice lane.

Expended	$646 79
Balance	3 21

Resolution No. 119, appropriating $1,000.00 to repair Old Frederick road.

Expended	$995 17
Balance	4 83

Resolution No. 142, appropriating $300 to gravel Clifton street.

Expended	$297 63
Balance	2 37

Resolution No. 141, appropriating $1,500.00 to repair Woodberry lane.

Expended	$1,492 79
Balance	7 21

Resolution No. 155, appropriating $100.00 to repair Chestnut Hill avenue.

Expended	$83 04
Balance	16 96

Resolution No. 194, appropriating $300.00 to repair Tenth street.

Expended	$295 20
Balance	4 80

Resolution No. 162, appropriating $1,000.00 to repair Union Avenue bridge.

Expended	$996 68
Balance	3 32

The work done on this bridge consisted in replacing a portion of the joists, the entire reflooring, painting and adjusting.

Resolution No. 157, appropriating $200.00 to repair Wilkens avenue.

Expended	$196 06
Balance	3 94

Resolution No. 148, appropriating $3,000.00 to entirely refloor Edmondson Avenue bridge, readjust the truss and repaint the same.

The work was thoroughly done.

Expended	$2,984 90
Balance	15 10

Resolution No. 156, appropriating $1,296.00 to put Merryman's avenue in proper condition.

This work consisted in the construction of a wooden box sewer, with an inverted bottom, of Georgia pine lumber, 4 feet by 3 feet, and 600 feet long. The road was thoroughly graveled, making a very much needed improvement at this point.

Expended	$1,211 36
Balance	84 64

General appropriation of $1,200.00 to repair Fourth street.

Expended	$1,187 66
Balance	12 34

General appropriation of $1,000.00 to repair Huntingdon avenue.

Expended	$995 00
Balance	5 00

General appropriation of $500.00 to repair Cedar avenue.

Expended	$365 69
Balance	134 31

General appropriation of $250.00 to repair Oak street.

Expended	$247 24
Balance	2 76

Resoiution No. 213, appropriating $200.00 to repair Mary street.

Expended	$198 74
Balance	1 26

Resolution No. 119, appropriating $5,000.00 to repair Falls road. This work consisted in building up the centre of the road with broken stone, the paving of a gutter on the east side, adjoining the Baltimore and Lehigh freight depot, the opening of abandoned culverts, the construction of three inlets, and the reflooring of bridge over Stony run. 1,367 feet of the road was thoroughly macadamized with negro-head stone. The grade of the road was also changed at its

intersection with Union avenue by cutting down the surface of the road bed to conform to the grade of Union avenue.

Harden & Hare, contractors, furnished the negro-head stone used on the lower end of the road at $2.00 per perch.

Expended	$4,988 53
Balance	11 47

Resolutions Nos. 33 and 307, appropriated $7,500.00 and $3,500.00 respectively to make, grade and drain Hickory avenue, from Fifth avenue southwardly to its termination; Roland avenue, from Third avenue southwardly to its termination; Fourth avenue, from Elm avenue westwardly to the Falls road, and Fifth avenue, from Roland avenue westwardly to the Falls road.

All of these avenues, except where they had been washed by the surface drainage of several years, were in the same shape nature made them. The avenues were laid out by land companies sixty feet wide, except Roland avenue, which measures eighty (80) feet. Dwellings have been erected along their boundaries, their location and elevations having been determined by the original ground surfaces. This fact in some cases made it very difficult to determine a grade without injury to private improvements.

As there are no means of reimbursing individuals where their property is so affected, it was the effort to

get as much uniformity and shape to the avenues without inflicting too great an expenditure upon the property-holders, who, it is very gratifying to report, entered into the spirit of the improvements and have removed their fences, terraced their yards, and in some places have curbed and paved their sidewalks, very much to the advantageous appearance of their property.

The work of making the above avenues consisted principally in grading and paving of gutters, as follows:

Aggregate length of avenues, all of which were graded, 5,227 feet.

Aggregate length of gutters paved, 6,497 feet, varying in width from three to eight feet.

A culvert 3x2 feet was extended across Hickory avenue for a distance of 87 linear feet, four inlet connections were made, and a retaining wall built 45 feet long about 6 feet high, also 50 feet of 18-inch terra cotta pipes, 59 feet of 12-inch terra cotta pipes, and 40 feet of Georgia pine box were required in connection with this culvert extension.

In other places where needed, 349 feet of terra cotta pipes varying from 8 to 18 inches in diameter were used.

The beds of the avenues have mostly been dressed with either gravel or cinders, and are now in a fair driving condition.

Appropriation	$11,000 00
Expended	10,903 23
Balance	$96 77

Work done under general appropriation for streets and bridges in Annex.

Timber work of Dead Run bridge renewed.

Timber work of Morris Avenue bridge renewed.

Timber work of Union Avenue bridge over mill race renewed.

Timber work of Merryman Avenue bridge over Stony run renewed.

Renewed, adjusted and painted the bridge, repaired North Avenue extended, Pulaski street, Old Liberty road, Morris avenue, Slingluff avenue, Sycamore avenue, Beach avenue, Hill's avenue, Merryman's avenue, Gorsuch avenue, and others.

At the time of the annexation every bridge within its boundaries needed repairs; the work has been generally done. Every bridge of any size has had its timber renewed.

Remarks.

The condition of Wilkens Avenue bridge will soon be a question for the authorities to settle. Two years ago six thousand dollars were spent to repair it. That

part of the bridge which was trestled is still in good shape, but that part which spans the falls has swagged considerable ; it may hang together until there is means to permanently renew it.

It is apparent at first sight of the premises that the stream should be shifted to hug the eastern slope of the ravine, instead of the western.

This done and an arch culvert, with a span of about 70 feet, constructed over the stream, would enable the balance of the low ground which is now bridged, to be gradually filled to the proper grade.

When the time comes to rebuild this structure, I think it worth your while to consider the above suggestions.

In my report of last year, I suggested certain repairs and improvements, as well as some references to the need of an established system to guide and regulate the improvements in progress in the new territory.

The suggestions made then, are applicable in this report, and without repeating them, refer you to report for 1890, pages 119 and 120.

Respectfully submitted,

CHARLES A. HOOK,

Assistant City Commissioner.

RETAINING WALLS ON JONES' FALLS.

When the work of reconstructing the retaining walls of Jones' falls, south of Baltimore street, several years since, was being done, the owner of about 130 feet on the east side, south of Plowman street, claimed that the wall belonged to him, and refused to permit the then City Commissioner to reconstruct it. Since that time the wall has been crumbling away, until now it is in danger of tumbling into the falls. The present owner is willing and anxious to have it reconstructed, and I deem it advisable, and in fact necessary, that the work should be done without delay, and I recommend that an appropriation be made for the purpose.

In conclusion, I have to say that I have been ably seconded in the execution of the large amount of work done during the year by my assistants and by the various Superintendents in charge.

A. E. SMYRK,

City Commissioner.

TABLES.

TABLE A.

Showing the Amounts of Appropriations and the Balances due, for the year ending 31st December, 1891.

Accounts.		Appropriations.	Amounts paid.	Amounts undrawn.
Repairs of sewers and inlets	$10,000 00			
Less transferred to repairs of paved streets	2,500 00			
	$7,500 00			
Paid Register	3,755 20			
		$11,255 20	$ 7,077 29	$ 4,177 91
Flag and stepping stones		5,000 00	4,994 87	5 13
Repairs of paved streets	$80,000 00			
Appropriation by Resolution 282, of 1891	12,000 00			
Transferred from repairs of sewers, Resolution 1, of 1891	2,500 00			
Paid Register	162 12			
		94,662 12	94,479 40	182 72
Repairs of unpaved streets		2,000 00	1,982 51	17 49
Repairs of bridges		6,229 83	6,218 04	11 79
Paving and repaving in front of City property		1,000 00	754 45	245 55

Paving new streets	$12,006 58			
Paid Register	4 00			
		12,010 58	$12,006 58	$ 4 00
Paving and repaving "cross streets"		3,000 00	2,635 36	364 64
Improvement of Jones' falls	$ 75 00			
Paid Register	140 65			
		215 65	75 00	140 65
Biddle Street bridge, maintenance of floor		129 84	129 84	.....
Boston Street bridge—Paid Register		17 82	.....	17 82
St. Paul Street bridge, repairing and painting		3,400 00	3,293 00	107 00
Calvert Street bridge, repairing and painting	$2,500 00			
Less transferred to account for City Dock Drawbridge, Resolution 10, of 1891	613 27			
		1,886 73	1,886 73	.....
Guilford Avenue bridge, repairing and painting	$1,000 00			
Less transferred to account for City Dock Drawbridge, per Resolution 10, of 1891	63 33			
		936 67	936 67	.....
Amounts carried forward		$141,740 44	$136,465 74	$5,274 70

TABLE A—Continued.

Accounts.		Appropriations.	Amounts paid.	Amounts undrawn.
Amounts brought forward		$141,740 44	$136,465 74	$5,274 70
Repaving Cathedral street with Belgian blocks	$4,051 26			
Paid Register	10 25			
		4,061 51	4,051 26	10 25
Streets around Hanover market, to repave with sheet asphalt		11,774 08	10,484 66	1,289 42
Hollins street, from Poppleton street to Hollins market, to repave with sheet asphalt		11,233 87	11,233 87	.....
Camden street, from Sharp to Howard street, to repave with sheet asphalt		4,208 29	4,208 29	.....
Streets around Lafayette market, to repave with sheet asphalt		15,779 29	14,208 69	1,570 60
Streets around Richmond market, to repave with sheet asphalt	$8,765 88			
Paid Register	2 45			
		8,768 33	8,765 88	2 45
Sharp street, from Pratt to Camden streets, to repave with sheet asphalt		3,646 66	3,646 66	.....
Streets around Southern Police Station, to repave with sheet asphalt		2,354 46	2,354 46	.....

Fells Point market, to repave with "granolithic."			2,427	98	1,255 50	1,172 48
Lexington, St. Paul and other streets, to regrade, &c			4,000	00	3,737 85	262 15
Salaries			9,000	00	9,000 00	.....
Livery			1,000	00	538 00	462 00
Incidentals			100	00	85 86	14 14
City Dock Drawbridge, to repair and paint	$2,250	00				
Transferred from account for Calvert St. bridge, per Resolution 10, of 1891	613	27				
Transferred from account for Guilford Av. bridge, per Resolution 10, of 1891.	63	33				
			2,926	60	2,925 69	91
Douglas Street bridge, over Jones' falls, to build			35,000	00	39 00	34,961 00
Gwynn's Falls bridge, to raise			2,500	00	2,490 41	9 59
Light Street bridge, to maintain	$2,657	90				
Paid Register	18	00				
			2,675	90	2,633 50	42 40
Light Street bridge, to rebuild	$59,077	44				
Paid Register	66	00				
			59,143	44	56,431 97	2,711 47
Monroe Street bridge, over B. & O. R. R., to build.			28,163	90	28,068 24	95 66
Monroe Street bridge, over B. & O. R. R., to grade approaches to			1,000	00	969 62	30 38
North Avenue bridge, over Jones' falls			100,000	00	16,186 91	83,813 09
Amounts carried forward			$451,504	75	$319,782 06	$131,722 69

TABLE A—Continued.

Accounts.	Appropriations.	Amounts paid.	Amounts undrawn.
Amounts brought forward	$451,504 75	$319,782 06	$131,722 69
Russell St. bridge, over Chatsworth run $4,936 06			
Paid Register 141 22			
	5,077 28	4,927 49	149 79
Harford run, improvement of	462 01	462 01	.....
Madison avenue, repaving with Belgian blocks	16 67	16 67	.....
Kerbing Fulton avenue, from Presstman street to Baker Circle	1,200 00	1,088 87	111 13
Shelling Fulton avenue, from Baker Circle to Pennsylvania avenue	1,104 00	1,099 58	4 42
Park avenue, from Reservoir street to Mount Royal avenue, to kerb and pave	12,000 00	3,365 49	8,634 51
Ferry Point road, to repair	500 00	480 43	19 57
Eastern avenue, from Luzerne street to City limits, to repair	400 00	375 53	24 47
East Baltimore street, to shell from Chesapeake street to eastern limits	400 00	383 56	16 44
Mine Bank lane, to repair	500 00	313 12	186 88
Monument street and Loney's lane, to shell	700 00	662 17	37 83

Ridgely, Warner and Bayard streets, to repair and gravel	$2,500 00			
Paid Register	2 70			
		2,502 70	2,416 79	85 91
Stone gutters, Saratoga street and Park avenue		1,400 00	771 48	628 52
Iron gutter plates at Fayette and Exeter streets				
Iron gutter plates at Canton and Collington avenues	$2,500 00			
Iron gutter plates at Lombard and Caroline streets				
Paid Register	34 60			
		2,534 60	1,805 99	728 61
Iron gutter plates at Caroline and Lombard streets, per Resolution 211, of 1891		1,000 00	905 42	94 58
Iron gutter plates at Courtland and Saratoga streets, per Resolution 212, of 1891		1,200 00	833 59	366 41
Iron gutter plates at Gilmor street and Lafayette avenue, per Resolution 131, of 1891		1,300 00	1,102 94	197 06
Iron gutter plates at Charles and Lee and Barre streets, per Resolution 132, of 1891		1,550 00	1,345 27	204 73
Iron gutter plates at Pennsylvania avenue and Mosher st, per Resolutions 171 and 172, of 1891		1,600 00	1,081 53	518 47
Amounts carried forward		$486,952 01	$343,219 99	$143,732 02

TABLE A—Continued.

Accounts.	Appropriations.	Amounts paid.	Amounts undrawn.
Amounts brought forward	$486,952 01	$343,219 99	$143,732 02
Iron gutter plates at Chester and Bank streets, per Resolution 101, of 1891	650 00	618 89	31 11
Iron gutter plates at Eastern avenue and Bond street, per Resolution 100, of 1891	1,050 00	815 08	234 92
Iron gutter plates at Myrtle avenue and Mosher street, per Resolution 260, of 1891	1,400 00	895 06	504 94
Iron gutter plates at Canton avenue and Chester street, per Resolution 99, of 1891	1,200 00	1,008 92	191 08
Iron gutter plates at Forrest and Gay streets, per Resolution 152, of 1891	1,800 00	905 01	894 99
Iron gutter plates at Elliott street and Canton avenue, per Resolution 151, of 1891	650 00	575 48	74 52
Iron gutter plates at Chesapeake and Hudson streets, per Resolution 150, of 1891	400 00	399 26	74
Inlets to Wolfe Street sewer, transferred from account for Boston Street bridge	1,313 00	1,203 46	109 54
Inlets and traps, Pennsylvania avenue and St. Mary's street, per Resolution 93, of 1891	700 00	698 07	1 93

Inlets and traps, Myrtle avenue and Mulberry street, per Resolution 121, of 1891	700 00	682 52	17 48
Inlets and traps, Booth street, per Resolution 217, of 1891	800 00	409 05	390 95
Inlets and traps to Schroeder's run, at Lexington street, &c., per Resolution 214, of 1891	1,200 00	484 58	715 42
Inlets and traps, Eager and Chapel streets, per Resolution 105, of 1891	500 00	316 58	183 42
Inlets and traps, Central avenue and McElderry street, per Resolution 160, of 1891	1,200 00	1,024 64	175 36
Inlets and traps, Harlem avenue and Calhoun st., per Resolution 136, of 1891	900 00	461 34	438 66
Inlets and traps, Calhoun street, near Lanvale st., per Resolution 135, of 1891	400 00	134 00	266 00
Inlets and traps, Baltimore and Arch streets, per Resolution 86, of 1891	1,300 00	1,282 09	17 91
Inlets and traps, Pennsylvania avenue and Oxford street, per Resolution 111, of 1891	700 00	503 36	196 64
Inlets and traps, McMechen street and Foster alley, per Resolution 127, of 1891	250 00	230 08	19 92
Inlets and traps, Baltimore street and Central avenue, per Resolution 19, of 1891	150 00	116 60	33 40
Amounts carried forward	$504,215 01	$355,984 06	$148,230 95

TABLE A—Continued.

Accounts.		Appropriations.	Amounts paid.	Amounts undrawn.
Amounts brought forward		$504,215 01	$355,984 06	$148,230 95
Flagstones across German and other streets, per Resolution 45, of 1891		225 00	171 88	53 12
Sewer in Wolfe street, from Jefferson street to Fairmount avenue—				
Balance, 1890	$ 6,172 74			
Appropriation, 1891	15,000 00			
Paid Register	2 07			
		21,174 81	3,936 35	17,238 46
Sewer in Eager and other streets—Balance, 1891	$12,027 25			
Paid Register	3 33			
		12,030 58	8,467 02	3,563 56
Sewer in Jenkins run and Carter alley—Balance 1890—				
Sewer to extend Jenkins run north of North avenue—Balance, 1890	$36,177 99			
Sewer to continue Jenkins run in First and Boone streets—Appropriation	15,500 00			
Paid Register	16 67			
		51,694 66	46,248 11	5,446 55

Sewer in Eutaw and Fremont streets... $98,154 72			
Paid Register..... 13 37			
	98,168 09	60,285 44	37,882 65
Sewer in Carey, Calhoun and other sts. $267,777 60			
Paid Register..... 12 51			
	267,790 11	121,339 12	146,450 99
Sewer in Howard street $11,891 21			
Paid Register..... 4 17			
	11,895 38	11,890 01	5 37
Sewer in Cross street and Light street. $107,660 18			
Paid Register..... 170 85			
	107,831 03	76,094 07	31,736 96
Sewer in Fulton avenue.....	4,245 86	41 04	4,204 82
Sewer in Preston and other streets.....	10,532 90	1,206 16	9,326 74
Sewer in Pulaski street, from Lanvale street to Edmondson avenue	10,565 52	659 98	9,905 54
Sewer in Lovegrove alley, from Adams alley to First street $21,000 00			
Paid Register..... 20 42			
	21,020 42	20,299 91	720 51
Sewer in Read street, from Jones' falls to Cathedral street	38,600 00	11,751 88	26,848 12
Sewer in Ann and Gay streets	11,000 00	9,766 82	1,233 17
Amounts carried forward.....	$1,170,989 37	$728,141 86	$442,847 51

TABLE A—Continued.

Accounts.		Appropriations.	Amounts paid.	Amounts undrawn.
Amounts brought forward		$1,170,989 37	$728,141 86	$442,847 51
Sewer in Eden street, from City Dock to Eastern avenue	$36,000 00			
Paid Register	6 59			
		36,006 59	26,087 46	9,919 13
Sewer in Pulaski, Franklin and Smallwood streets.		48,000 00	24,005 30	23,994 70
Sewer, intercepting, for relief of district drained by Druid Hill avenue sewer.	$190,000 00			
Paid Register	6 33			
		190,006 33	10,691 51	179,314 82
Sewer in Bush and other streets		370,000 00	5,698 00	364,302 00
Sewer in Fulton, Eagle and Monroe streets		48,950 00	4,427 63	44,522 37
Repairing streets, roads and bridges in the "Annex"	$9,482 00			
Paid Register	83 12			
		9,565 12	9,364 78	200 34
Aisquith street, from North avenue to First street, to repair		300 00	300 00	.....
Brunswick street, to repair		400 00	396 30	3 70

Brehm's lane, to repair	250 00	250 00	.....
Cedar Avenue bridge	783 92	783 92	.....
Cedar avenue, to repair, from First street to the bridge	500 00	365 69	134 31
Certain street in Twenty-second Ward, to repair	1,200 00	1,149 13	50 87
Chestnut Hill avenue, to repair	100 00	83 04	16 96
Clifton street, to gravel	300 00	297 63	2 37
Culvert in Jefferson street, to construct	1,500 00	1,445 68	54 32
Druid Hill avenue, from Retreat street to Fulton avenue, to repair	3,500 00	2,933 23	566 77
Edmondson avenue, from Calverton road to Gwynn's falls, to Macadamize	2,000 00	1,994 24	5 76
Edmondson Avenue bridge, new floors, painting, &c	3,000 00	2,984 90	15 10
Friendship lane, to shell	400 00	389 12	10 88
Fourth street, from Oak street to the York road, to repair	1,200 00	1,187 66	12 34
The Falls road, to repair, to City limits	5,000 00	4,988 53	11 47
Gorsuch avenue, to put in proper condition	1,000 00	848 36	151 64
Garrison avenue and Garrison lane, to repair	1,450 00	1,440 81	9 19
Hickory, Roland, Fourth and Fifth avenues, to make, grade and drain	11,000 00	10,903 23	96 77
Huntingdon avenue, from Charles street to York road, to repair	1,000 00	995 00	5 00
Amounts carried forward	$1,908,401 33	$842,153 01	$1,066,248 32

TABLE A—Concluded.

Accounts.	Appropriations.	Amounts paid.	Amounts undrawn.
Amounts brought forward	$1,908,401 33	$842,153 01	$1,066,248 32
Jefferson street, to grade	500 00	479 67	20 33
Mary street, to gravel	200 00	198 74	1 26
Maiden's Choice road, to rebuild culvert, &c.	650 00	646 79	3 21
Merryman's avenue, to put in proper condition	1,296 00	1,211 36	84 64
Old Frederick road, to repair	1,000 00	995 17	4 83
Oak street, from Fifth to Sixth street, to repair	250 00	247 24	2 76
Tenth street, from Boundary to Myrtle avenue, to repair	300 00	295 20	4 80
Union Avenue bridge, to repair	1,000 00	996 68	3 32
Valley and Mount streets, to repair with broken stone	300 00	294 09	5 91
Windsor Mill road, to repair, from Liberty road to western limits	1,000 00	996 28	3 72
Woodberry lane, to repair	1,500 00	1,492 79	7 21
Wilkens avenue, to repair	200 00	196 06	3 94
Totals	$1,916,597 33	$850,203 08	$1,066,394 25

TABLE B.

Showing the Amounts Required for the City Commissioner's Department, for the year ending 31st December, 1892.

ON WHAT ACCOUNT.	AMOUNTS.
Repairs of sewers and inlets	$ 10,000 00
Repairs of bridges	6,000 00
Repairs of paved streets	85,000 00
Repairs of unpaved streets	2,000 00
Paving and repaving in front of City property	1,500 00
Paving and repaving "cross streets"	10,000 00
Salaries	9,000 00
Livery	800 00
Incidentals	100 00
Light Street bridge	6,000 00
Flag and stepping stones	5,000 00
Maintenance of floor of Biddle St. bridge	129 84
Repairs of streets, roads and bridges in the Annex	15,000 00
Salaries and livery in the Annex	2,432 00
	$152,961 84

TABLE C.

Showing the Quantity of Repairs Done and the Materials Used on the Streets and Alleys during the year 1891.

Streets.	Area in sq. feet.	Loads of sand.	Perches of stone.	Linear feet kerb reset.
Aliceanna street	34,758	357	30½	.....
Aisquith street	10,575	112	18	.....
Ann street	5,783	47	6½	.....
Albemarle street	15,129	130	15	.....
Amity street	5,850	47	6	.....
Baltimore street	67,844	346	41¼	.....
Bowly's wharf	1,803	19	.....	.....
Boston street	15,871	164	22	.....
Balderston street	603	6	.....	.....
Bath street	6,254	52	10	.....
Bayard street	2,750	24	1	.....
Block street	573	4	½	.....
Biddle street	2,589	23	3	.....
Boyd street	16,116	122	12¾	.....
Burke street	25,255	278	56	.....
Buren street	2,920	24	10	58
Bank street	21,814	245	15½	30
Boyer street	623	5	1	.....
Baker street	4,106	29	3	.....
Buchanan's wharf	23,895	216	33	.....
Barclay street	600	7	.....	.....
Broadway	1,442	21	1	90
Barre street	7,230	63	5	.....
Bethel street	3,947	41	3	.....
Bond street	9,839	68	13	60
Battery avenue	6,175	44	2	.....
Canton avenue	34,803	329	31	.....
Am'ts carried forward	329,147	2,823	440	238

TABLE C—Continued.

Streets.	Area in sq. feet.	Loads of sand.	Perches of stone.	Linear feet kerb reset.
Am'ts brought forward	329,147	2,823	440	238
Cheapside	1,262	12	1	.....
Castle street	5,648	53	1	.....
Calvert street	53,710	442	75½	.....
Cathedral street	603	5	.....	.....
Chesnut street	47	1	.....	.....
Chase street	1,561	17	½	.....
Columbia avenue	18,898	194	15½	.....
Cross street	80,433	856	104	.....
Chester street	9,031	91	14	.....
Chew street	4,130	42	2½	.....
Collington avenue	11,000	159	19½	.....
Cambridge street	4,860	50	1	.....
Charles street	52,427	422	36	.....
Camden street	6,658	77	5½	.....
Courtland street	1,047	7	1	.....
Calhoun street	30,264	389	21½	.....
Chapel street	3,541	36	3½	.....
Carrollton avenue	14,777	121	9	.....
Cumberland street	96	3	.....	.....
Carlton street	8,728	90	7½	.....
Concord street	18,965	164	14	.....
Central avenue	34,744	368	29½	66
Commerce street	2,600	20	4	.....
Craig street	6,788	77	8½	.....
Centre street	2,848	27	.....	.....
Caroline street	47,482	560	65½	.....
Carey street	88,068	1,015	164½	.....
Conway street	655	5	1	.....
Am'ts carried forward	840,018	8,146	985½	304

TABLE C—Continued.

Streets.	Area in sq. feet.	Loads of sand.	Perches of stone.	Linear feet kerb reset.
Am'ts brought forward	840,018	8,146	985½	304
Clement street	10,943	106	6	.....
Dugan's wharf	1,120	12	1	.....
Durham street	3,560	28	2½	.....
Division street	300	8	.....	.....
Dallas street	1,965	16	4	.....
Dover street	650	7	½	.....
Druid Hill avenue	2,664	16	1	.....
Dolphin street	8,868	52	2½	.....
Dock street	8,060	73	8	.....
Davis street	4,282	40	8	.....
East Falls avenue	6,260	77	2	.....
Eden street	10,956	115	14½	.....
Exeter street	4,671	50	4½	.....
Ensor street	73	1	.....	.....
Essex street	296	3	½	.....
Eastern avenue	57,393	630	58½	.....
Eager street	36,087	432	35½	.....
Eutaw street	15,947	148	15	.....
Etting street	5,626	35	4½	.....
Frederick street	22,667	227	16	.....
Fell street	617	6	½	.....
Franklin street	2,086	22	2	.....
Front street	3,253	26	9	.....
Fayette street	2,796	17	1	.....
Fremont street	45,160	389	59¾	30
Fulton avenue	16,207	162	23½	.....
Forrest street	748	6	1	.....
Fairmount avenue	6,043	60	9	.....
Am'ts carried forward	1,119,316	10,910	1,375½	334

TABLE C—Continued.

Streets.	Area in sq. feet.	Loads of sand.	Perches of stone.	Linear feet kerb reset.
Am'ts brought forward	1,119,316	10,910	1,375½	334
Frederick avenue	5,904	40	6	.....
Federal street	1,370	34	½	278
Fort avenue	3,635	23	1	.....
Gay street	8,934	38	4	.....
Guilford avenue	1,167	10	1½	.....
Granby street	4,009	31	11½	.....
German street	3,597	30	3	.....
Gwynne street	1,310	14	1	.....
Greenmount avenue	3,017	24	5½	.....
Gilmor street	300	3	.....	.....
Gough street	1,979	17	3	.....
Greene street	3,946	15	.....	.....
George street	4,075	60	4	.....
Grindall street	12,507	54	5	.....
Howard Street	500	6	2	.....
Hope street	1,960	23	3½	.....
Hillen street	8,243	79	2½	.....
Holliday street	16,718	107	13	...
Hanover street	15,428	134	21	.....
High street	12,641	99	15	.....
Hudson street	1,041	9	1½	.....
Harford avenue	2,600	29	4	.....
Hillman street	1,779	14	4	.....
Hamburg street	16,447	159	17½	.....
Hamilton street	608	5	1	.....
Hughes street	2,712	31	3	.....
Johnson street	6,135	43	1	.....
King street	7,450	63	6	.....
Am'ts carried forward	1,269,328	12,104	1,516¾	612

TABLE C—Continued.

Streets.	Area in sq. feet.	Loads of sand.	Perches of stone.	Linear feet kerb reset.
Am'ts brought forward	1,269,328	12,104	1,516¾	612
Lombard street	68,437	721	93½	.....
Low street	208	2	.....	.....
Lancaster street	8,695	75	6½	.....
Leakin street	1,310	14	1	.....
Lorman street	5,328	46	5	.....
Lexington street	13,127	128	10	.....
Light street	3,966	34	3	.....
Liberty street	5,506	50	.....	.....
Leadenhall street	9,416	79	11	.....
Lemon street	1,342	8	1	.....
Laurens street	350	6	.....	.....
Long Dock	1,295	9	2	.....
Lee street	20,845	139	37	.....
Leloup street	700	5	.....	.....
Madison street	4,639	46	6½	.....
Mott street	9,873	161	21½	.....
Marion street	8,900	95	2	.....
McClure's Dock	53	1	.....	.....
Marriott street	591	5	.....	.....
Mill street	581	5	1	.....
McKim street	386	2	1	.....
Monroe street	1,396	13	.....	.....
McElderry street	8,646	70	6	.....
Mount street	5,786	53	4½	.....
McElderry's wharf	25,895	242	21	.....
Myrtle avenue	15,116	126	16	.....
Mulberry street	7,886	52	6¾	.....
McMechen street	23,438	144	8	.....
Am'ts carried forward	1,523,039	14,416	1,781	612

TABLE C—Continued.

Streets.	Area in sq. feet.	Loads of sand.	Perches of stone.	Linear feet kerb reset.
Am'ts brought forward	1,523,039	14,416	1,781	612
Mosher street	2,662	15	.....	.....
McHenry street	4,438	56	9	.....
Mullikin street	10,946	92	15	.....
Milliman street	2,650	28	1½	.....
Monument street	38,707	391	29½	177
Montgomery street	1,275	11	.....	.....
Marshall avenue	1,284	8	4	.....
North avenue	14,340	119	7	.....
Neighbor street	3,942	36	8½	.....
Orleans street	1,794	16	2	.....
Oliver street	1,371	14	.....	.....
O'Donnell street	5,160	42	8	.....
Ohio avenue	470	4	.....	.....
O'Donnell's wharf	14,880	116	13	.....
Ostend street	4,090	23	2	.....
Paca street	93	1	½	.....
Preston street	6,955	53	8½	.....
Poppleton street	2,578	80	6½	.....
President street	14,516	185	7	260
Presstman street	20,510	146	19½	.....
Pine street	350	3	.....	.....
Pleasant street	343	4	1	39
Patuxent street	1,260	14	.....	.....
Parkin street	1,320	8	1	.....
Park avenue	25,837	168	10¼	.....
Patterson Park avenue	36,230	328	58	.....
Pennsylvania avenue	17,533	233	7	.....
Pratt street	73,769	493	35	300
Am'ts carried forward	1,832,344	17,103	2,034¾	1,388

TABLE C—Continued.

Streets.	Area in sq. feet.	Loads of sand.	Perches of stone.	Linear feet kerb reset.
Am'ts brought forward	1,832,344	17,103	2,034¾	1,388
Ridgely street	1,300	9	4	.....
Russell street	1,360	10	1	.....
Riggs avenue	38,687	492	54½	.....
Read street	2,770	28	.....	.....
Raborg street	4,030	16	3½	.....
Robert street	670	.....	.....	.....
Randall street	1,340	8	.....	.....
Richmond street	613	5	2	.....
Ramsay street	157	1	.....	.....
Schroeder street	8,962	74	6½	.....
Short street	43	1	.....	.....
Stricker street	7,750	85	2	.....
Stiles street	3,880	36	3½	.....
Spring street	4,792	43	7	.....
South street	1,967	17	3	.....
Saratoga street	17,523	173	26¼	.....
Sharp street	10,331	46	3	.....
Second street	11,510	120	7	.....
Smith street	1,104	7	4	.....
St. Paul street	5,590	57	3½	.....
Smallwood street	41,586	657	45	.....
Spear's wharf	15,470	137	14½	.....
St. Joseph's street	1,335	9	2	.....
Somerset street	7,007	80	16½	.....
Stockton street	9,850	142	27	.....
Thames street	12,654	115	15	.....
Townsend street	52,784	395	33¼	.....
Truxton street	3,422	25	5	.....
Am'ts carried forward	2,100,831	19,891	2,323¾	1,388

TABLE C—Continued.

Streets.	Area in sq. feet.	Loads of sand.	Perches of stone.	Linear feet kerb reset.
Am'ts brought forward	2,100,831	19,891	2,323¾	1,388
Union dock	13,410	124	11	.....
Valley street	9,140	90	17	.....
Washington street	9,782	82	11	.....
Watson street	2,888	24	2½	.....
Windsor street	1,280	13	2	.....
Winchester street	2,060	15	1	.....
Wilson street	31,476	182	25½	.....
Wood street	3,390	24	4	.....
Wolfe street	116,911	1,591	104	1,180
Warner street	342	4	.....	.....
Woodyear street	7,975	127	.....	.....
Wooster street	13,668	180	21	.....
Will street	11,615	100	32	.....
Water street	160	1	.....	.....
West street	1,365	10	2	.....
Wehage street	6,790	44	2	.....
William street	640	4	.....	.....
York street	21,384	159	18½	.....
	2 355 305	22.665	2,577¼	2,568

TABLE C—Continued.

Lanes and Alleys.	Area in sq. feet.	Loads of sand.	Perches of stone.	Linear feet kerb reset.
Addison alley	4,398	44	5½	.....
Burgundy alley	650	6	1	.....
Callender alley	1,364	8	¾	.....
Camel alley	300	7	.....	155
Duncan alley	4,656	41	3½	.....
Durst alley	1,227	8	.....	.....
Elbow lane	2,730	22	2	.....
Fulton alley	1,290	5	.....	.....
Hunter's alley	18,140	143	16	.....
Hammond alley	1,175	10	1	.....
Hargrove alley	2,280	18	2	.....
Harmony lane	9,050	84	8	.....
James alley	3,908	26	1	.....
Lovegrove alley	5,800	54	2	.....
Madeira alley	6,910	62	2	.....
McClelian's alley	619	4	2	.....
Norris alley	6,652	75	8½	.....
Plum alley	5,150	57	4	.....
Stoddard alley	800	10	.....	.....
Saulsbury alley	609	4	1	.....
Stump alley	593	5	3	.....
Stockton alley	5,770	45	4	.....
Slemmers alley	1,410	14	1	.....
Scrabble alley	872	7	4	.....
Vincent alley	1,482	15	½	.....
West alley	1,364	13	1	.....
	89,199	787	73¾	155

TABLE C—Concluded.

Grand Total Quantities of Repairs of Streets and Alleys.

	Area in sq. feet.	Loads of sand.	Perches of stone.	Linear feet kerb reset.
Streets	2,355,305	22,665	2,577¼	2,568
Alleys	89,199	787	73¾	155
	2,444,504	23,452	2,651	2,723

TABLE D.

Showing Quantity and Cost of work done by Superintendents of Street Repairs.

Superintendents.	Square feet paved.	Lineal feet kerb reset.	Perches of stone.	Loads of sand.	Cost.
John Fitzpatrick	189,694	.....	176	1,295	$6,194 69
John L. Brown	195,175	.....	136	1,291	6,373 39
Moses Egan	202,218	.....	225½	2,174	6,593 02
Walter Sauerwein	228,975	215	228	2,705	7,465 39
M. A. Gill	209,526	.....	322¼	1,953	6,703 29
Michael Myer	195,076	.....	212	1,616	6,370 27
Thomas W. Selvage	190,995	213	193	1,776	6,237 21
R. W. Keily	187,087	260	210	1,810	6,099 69
Joseph Schoenig	185,475	.....	193	1,877	6,057 24
Thomas Kavanaugh	181,327	300	200	1,812	5,921 90
Louis Schleisinger	186,155	773	197	2,323	6,079 31
George Glantz	187,661	775	195	2,055	6,128 41
John T. Lee	105,140	187	163¼	765	3,477 03
	2,444,504	2,723	2,651	23,452	$79,700 84

TABLE E.

Showing the Revenue Collected in the City Commissioner's Department for the year ending December 31, 1891.

Vaults and areas	$1,237 30
Repairs of sewers	3,755 20
Repairs of paved streets	162 12
Paving Mount street	4 00
Paving Cathedral street	10 25
Paving streets around Richmond Market	2 45
Boston Street bridge	17 82
Russell Street bridge	141 22
Light Street bridge	18 00
Light Street bridge, rebuilding	66 60
Shelling Ridgely street, &c	2 70
Improvement of Jones' falls	140 65
Eager street sewer	3 33
Eutaw street sewer	13 37
Wolfe street sewer	2 07
Cross street sewer	170 85
Jenkins' run sewer	16 67
Howard street sewer	4 17
Carey street relief sewer	12 51
Lovegrove alley sewer	20 42
Eden street sewer	6 59
Druid Hill avenue sewer	6 33
Public printing	378 00
Repairing streets, bridges, &c., Annex	83 12
Iron gutter plates	34 60
	$6,310 34

ANNUAL REPORT

— OF THE —

Department of Street Cleaning

— OF THE —

CITY OF BALTIMORE,

— TO THE —

MAYOR AND CITY COUNCIL OF BALTIMORE,

— FOR THE —

Fiscal Year Ending December 31st, 1891.

OFFICERS AND EMPLOYEES

— OF THE —

Department of Street Cleaning,

FOR THE YEAR 1891.

B. E. SMITH,

Commissioner of Street Cleaning.

JOHN J. WALSH,

Clerk.

Superintendents of Streets:

B. V. KELLY, 1*st District.* JAS. F. BUSEY, 4*th District.*
G. E. MCCAULEY, 2*d District.* H. LANCASTER, 5*th District.*
MICHAEL FADGEN, 3*d, District.* JOHN MEAGHER, 6*th District.*
JOSEPH MCGEE, 7*th District.*

Superintendents of Dumps:

JOHN HOLDEFER, *Canton.* LOUIS E. FEFEL, *Spring Garden.*
F. P. QUINN, *Back Basin.* J. T. CROPPER, *Eager Street.*
ALFRED FREEDY, *South Baltimore.*

REPORT.

DEPARTMENT OF STREET CLEANING—CITY HALL.

BALTIMORE, January 1st, 1892.

To the Honorable the Mayor
and City Council of Baltimore.

GENTLEMEN:

In compliance with provisions of Ordinance No. 6, approved February 21st, 1882, I have the honor to submit herewith the Report of the Department of Street Cleaning.

The annexed tables show the number of men and carts employed, the work performed by the department during the year, the money expended, and the amount received for refuse, &c.

The total appropriation for the year was two hundred and eighty-five thousand eight hundred and forty-six dollars, and the amount expended was two hundred and eighty-three thousand and seventy dollars and fifty-four cents, leaving a balance of two thousand seven hundred and seventy-five dollars and fifty-six cents.

By reference to Table "B," you will observe the amount expended for the collection of garbage was one hundred and thirty-nine thousand and sixty-two dollars. This branch of the service has been and will continue to be the more expensive until some other method is adopted for its disposal. We are watching with interest experiments being made in some of the large cities to improve the methods of disposal of garbage, both as regards health and economy, and, should they prove successful, will report them with such suggestions as may seem proper.

I would again respectfully suggest a change in Section 91 of Article XXIII, to make the collection of garbage and ashes daily throughout the year, thus avoiding the confusion and uncertainty to housekeepers by the semi-annual change.

During the past year the demolition and erection of so many large buildings, the building of the Belt Railway tunnel, the cabling of the Baltimore Traction Co., the building of sewers and the necessary hauling therefor, have increased the cause of complaint of dirty streets in some localities, and entailed a great amount of extra work on this department. With the many projected new lines of cable roads and the change of motor power on others, we are threatened with the same difficulties this year, but the department will endeavor to prevent discomfort to the citizens until these improvements are completed, when with the smooth streets secured in different sections of the City,

as proposed, methods will be suggested which, if adopted, will keep those streets in a better condition.

The Police Department, by enforcing Section 98 of Article XXIII, preventing carts scattering dirt as they move along the streets, has rendered valuable aid, and there is now a noticeable difference in the carts used in hauling sand, dirt, &c. By the enforcement of this section and Section 101 of Article XXIII, much useless labor can be saved.

The cleaning of the market houses after market hours is the cause of much embarrassment and expense, about one-third of the time of the street cleaning force being consumed in this way. Relief could be given and time saved if the markets were cleared out promptly at the close of market hours. I would respectfully suggest an ordinance to this effect.

By the adoption of Ordinance 106, allowing the different railway companies to spread sand or gravel between the rails, only on steep grades and curves, after permission has been given, the complaints have lessened and the labor of this department decreased.

Your Commissioner again respectfully urges the importance of conferring on him the authority of employing the men for the work of the department. He is held responsible for the proper prosecution of the work without the power of selecting the men, which not only places him at a disadvantage, but lessens the means of obtaining the necessary discipline and efficiency to secure beneficial results.

The contract for the removal of garbage from the City was made for three years from the first of July, 1891, with Matthew W. Adams, for the sum of nine thousand five hundred dollars a year; no provision has been made for the amount due for this service for the six months ending December 31st, 1891.

Contracts were made for the purchase of the street dirt for the year with Andrew Burns, for the First and Third Districts, for three hundred dollars ($300 00).

Charles Lancaster, for the Fifth District, for two hundred dollars ($200.00).

By reference to Table "B," it will be seen that the amount realized from the sale of refuse and turned over to the Comptroller was nine hundred and twelve dollars and seventy-six cents ($912.76).

In conclusion, I return thanks to the Superintendents for their earnest co-operation in the working of the department during the year.

The following is an estimate of expenses for the year 1892:

138 garbage carts and men, at $18.00 per week	$129,168 00
58 street carts and men, at $18.00 per week	54,288 00
130 sweepers and scrapers, at $10.00 per week	67,600 00
Contract for removal of garbage	9,500 00
Salaries	9,000 00
Dumps	4,500 00
Tools and incidentals	2,000 00
	$276,056 00

City Annex.

12 garbage carts and men, at $18.00 per week	$11,232 00
3 street carts and men, at $18.00 per week	2,808 00
6 sweepers and scrapers, at $10.00 per week	3,120 00
Salary of Superintendent	1,000 00
Tools, &c	60 00
	$18,220 00

Respectfully submitted,

B. E. SMITH,

Commissioner of Street Cleaning.

TABLES.

TABLE A.

Weekly Reports showing amount of work done in the Street Cleaning Department, the number of men and carts employed in the several Districts, and amount of money expended for the same, from Jan. 1 to Dec. 31, 1891.

FIRST DISTRICT. B. V. KELLY, Sup't.	Garbage and Ashes Removed.	Street Dirt, Sand, &c., Removed.	Cost of Removal of Garbage.	Cost of Removal of Street Dirt, Sand, &c.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	Number of Scrapers and Sweepers Employed.	Total Amount of Loads Removed.	Total Amount of Expenditures.
Week ending January 10.....	774	720	$324 00	$374 00	18	8	23	1484	$698 00
" " 17.....	728	956	324 00	374 00	18	8	23	1684	698 00
" " 24.....	762	720	324 00	325 16	18	8	23	1482	649 16
" " 31.....	494	318	324 00	371 53	18	8	23	812	695 53
	2758	2714	$1296 00	$1444 69				5472	$2740 69
Week ending February 7.....	501	374	$324 00	$374 00	18	8	23	875	$698 00
" " 14.....	763	655	324 00	334 16	18	8	23	1418	658 16
" " 21.....	747	800	324 00	374 00	18	8	23	1547	698 00
" " 28.....	830	640	324 00	341 53	18	8	23	1470	665 53
	2841	2469	$1296 00	$1423 69				5310	$2719 69

TABLE A—Continued.

FIRST DISTRICT. B. V. KELLY, Sup't.	Garbage and Ashes Removed.	Street Dirt, Sand, &c., Removed.	Cost of Removal of Garbage.	Cost of Removal of Street Dirt, Sand, &c.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	Number of Scrapers and Sweepers Employed.	Total Amount of Loads Removed.	Total Amount of Expenditures.
Week ending March 7.....	842	680	$324 00	$354 83	18	8	23	1522	$678 83
" " 14.....	813	690	324 00	338 66	18	8	23	1503	662 66
" " 21.....	738	720	324 00	374 00	18	8	23	1458	698 00
" " 28.....	676	720	324 00	374 00	18	8	23	1396	698 00
	3069	2810	$1296 00	$1441 49				5879	$2737 49
Week ending April 6.....	679	720	$324 00	$367 33	18	8	23	1399	$691 33
" " 13.....	693	720	324 00	374 00	18	8	23	1413	698 00
" " 20.....	715	720	324 00	368 16	18	8	23	1435	692 16
" " 27.....	660	720	324 00	374 00	18	8	23	1380	698 00
	2749	2880	$1296 00	$1483 49				5627	$2779 49

Week ending May 4.....	672	720	$324 00	$374 00	18	8	23	1392	$698 00
" " 11.....	696	720	324 00	374 00	18	8	23	1416	698 00
" " 18.....	702	720	324 00	374 00	18	8	23	1422	698 00
" " 25.....	687	720	324 00	374 00	18	8	23	1407	698 00
	2757	2880	$1296 00	$1496 00				5637	$2792 00
Week ending June 1.....	619	720	$324 00	$374 00	18	8	23	1339	$698 00
" " 8.....	758	720	324 00	374 00	18	8	23	1478	698 00
" " 15.....	644	720	324 00	374 00	18	8	23	1364	698 00
" " 23.....	628	720	324 00	374 00	18	8	23	1348	698 00
" " 30.....	624	720	324 00	374 00	18	8	23	1344	698 00
	3273	3600	$1620 00	$1870 00				6873	$3490 00
Week ending July 6.....	467	333	$324 00	$374 00	18	8	23	800	$698 00
" " 13.....	457	311	324 00	374 00	18	8	23	768	698 00
" " 20.....	720	720	324 00	374 00	18	8	23	1440	698 00
" " 27.....	658	720	324 00	374 00	18	8	23	1378	698 00
	2302	2084	$1296 00	$1496 00				4386	$2792 00

TABLE A—Continued.

FIRST DISTRICT. B. V. KELLY, Sup't.	Garbage and Ashes Removed.	Street Dirt, Sand, &c., Removed.	Cost of Removal of Garbage.	Cost of Removal of Street Dirt, Sand, &c.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	Number of Scrapers and Sweepers Employed.	Total Amount of Loads Removed.	Total Amount of Expenditures.
Week ending August 3.....	675	720	$324 00	$374 00	18	8	23	1395	$698 00
" " 10.....	678	720	324 00	369 00	18	8	23	1398	693 00
" " 17.....	651	720	324 00	374 00	18	8	23	1371	698 00
" " 24.....	705	720	324 00	374 00	18	8	23	1425	698 00
" " 31.....	733	720	324 00	374 00	18	8	23	1453	698 00
	3442	3600	$1620 00	$1865 00				7042	$3485 00
Week ending September 7.....	703	720	$324 00	$374 00	18	8	23	1423	$698 00
" " 14.....	729	640	324 00	365 66	18	8	23	1369	689 66
" " 21.....	683	720	324 00	370 66	18	8	23	1403	694 66
" " 28.....	682	720	324 00	374 00	18	8	23	1402	698 00
	2797	2800	$1296 00	$1484 32				5597	$2780 32

Week ending October 5.....	680	720	$324 00	$374 00	18	8	23	1400	$698 00
" " 12.....	670	720	324 00	374 00	18	8	23	1390	698 00
" " 19.....	673	720	324 00	374 00	18	8	23	1393	698 00
" " 26.....	648	720	324 00	374 00	18	8	23	1368	698 00
	2671	2880	$1296 00	$1496 00				5551	$2792 00
Week ending November 2.....	701	720	$324 00	$374 00	18	8	23	1421	$698 00
" " 9.....	762	720	324 00	374 00	18	8	23	1482	698 00
" " 16.....	625	720	324 00	374 00	18	8	23	1345	698 00
" " 23.....	659	720	324 00	374 00	18	8	23	1379	698 00
" " 30.....	673	720	324 00	374 00	18	8	23	1393	698 00
	3420	3600	$1620 00	$1870 00				7020	$3490 00
Week ending December 7.....	726	720	$324 00	$374 00	18	8	23	1446	$698 00
" " 14.....	696	720	324 00	369 00	18	8	23	1416	693 00
" " 21.....	736	720	324 00	374 00	18	8	23	1456	698 00
" " 28.....	724	720	324 00	374 00	18	8	23	1444	698 00
	2882	2880	$1296 00	$1491 00				5762	$2787 00

TABLE A—Continued.

SECOND DISTRICT. G. E. McCAULEY, Sup't.	Garbage and Ashes Removed.	Street Dirt, Sand, &c., Removed.	Cost of Removal of Garbage.	Cost of Removal of Street Dirt, Sand, &c.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	Number of Scrapers and Sweepers Employed.	Total Amount of Loads Removed.	Total Amount of Expenditures.
Week ending January 6.....	703	882	$432 00	$352 97	24	9	21	1585	$784 97
" " 13.....	735	909	429 00	363 82	24	9	21	1644	792 82
" " 20.....	739	909	426 00	354 46	24	9	21	1648	780 46
" " 27.....	736	891	432 00	333 64	24	9	21	1627	765 64
	2913	3591	$1719 00	$1404 89				6504	$3123 89
Week ending February 3.....	733	891	$432 00	$358 15	24	9	21	1624	$790 15
" " 10.....	745	882	432 00	317 76	24	9	21	1627	749 76
" " 17.....	745	882	432 00	353 63	24	9	21	1627	785 63
" " 24.....	716	882	432 00	326 13	24	9	21	1598	758 13
	2939	3537	$1728 00	$1355 67				6476	$3083 67

Week ending March 3	723	882	$429 00	$359 45	24	9	21	1605	$788 45
" " 10	700	846	432 00	305 24	24	9	21	1546	737 24
" " 17	711	891	432 00	353 63	24	9	21	1602	785 63
" " 24	694	954	432 00	366 97	24	9	21	1648	798 97
" " 31	713	960	432 00	354 29	24	9	21	1673	786 29
	3541	4533	$2157 00	$1739 58				8074	$3896 58
Week ending April 7	694	978	$429 00	$365 14	24	10	21	1672	$794 14
" " 14	693	971	432 00	383 28	24	10	21	1664	815 28
" " 21	655	997	432 00	391 65	24	10	21	1652	823 65
" " 28	643	978	432 00	379 32	24	10	21	1621	811 32
	2685	3924	$1725 00	$1519 39				6609	$3244 39
Week ending May 5	671	915	$432 00	$381 65	24	10	21	1586	$813 65
" " 12	722	874	432 00	351 14	24	9	21	1596	783 14
" " 19	727	873	432 00	356 97	24	9	21	1600	788 97
" " 26	752	873	426 00	358 66	24	9	21	1625	784 66
	2872	3535	$1722 00	$1448 42				6407	$3170 42

TABLE A—Continued.

SECOND DISTRICT. G. E. McCAULEY, Sup't.	Garbage and Ashes Removed.	Street Dirt, Sand, &c., Removed.	Cost of Removal of Garbage.	Cost of Removal of Street Dirt, Sand, &c.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	Number of Scrapers and Sweepers Employed.	Total Amount of Loads Removed.	Total Amount of Expenditures.
Week ending June 2	770	855	$432 00	$361 99	24	9	21	1625	$793 99
" " 9	805	855	432 00	347 82	24	9	21	1660	779 82
" " 16	817	855	432 00	350 51	24	9	21	1672	782 51
" " 23	758	846	432 00	351 96	24	9	21	1604	783 96
" " 30	891	855	432 00	366 49	24	9	21	1746	798 49
	4041	4266	$2160 00	$1778 77				8307	$3938 77
Week ending July 7	796	855	$432 00	$362 82	24	9	21	1651	$794 82
" " 14	809	873	432 00	365 32	24	9	21	1682	797 32
" " 21	813	837	432 00	346 14	24	9	21	1650	778 14
" " 28	842	846	432 00	353 63	24	9	21	1688	785 63
	3260	3411	$1728 00	$1427 91				6671	$3155 91

Week ending August 4.....	846	846	$432 00	$346 13	24	9	21	1692	$778 13
" " 11.....	885	855	432 00	367 82	24	9	21	1740	799 82
" " 18.....	928	864	432 00	364 48	24	9	21	1792	796 48
" " 25.....	970	864	432 00	350 32	24	9	21	1834	782 32
	3629	3429	$1728 00	$1428 75				7058	$3156 75
Week ending September 1.....	1019	873	$432 00	$355 32	24	9	21	1892	$787 32
" " 8.....	997	855	432 00	361 98	24	9	21	1852	793 98
" " 15.....	954	909	432 00	359 47	24	9	21	1863	791 47
" " 22.....	996	891	432 00	354 47	24	9	21	1887	786 47
" " 29.....	966	882	429 00	354 47	24	9	21	1848	783 47
	4932	4410	$2157 00	$1785 71				9342	$3942 71
Week ending October 6.....	897	882	$429 00	$369 49	24	9	21	1779	$798 49
" " 13.....	830	882	432 00	347 13	24	9	21	1712	779 13
" " 20.....	767	882	432 00	366 16	24	9	21	1649	798 16
" " 27.....	730	882	432 00	369 66	24	9	21	1612	801 66
	3224	3528	$1725 00	$1452 44				6752	$3177 44

TABLE A—Continued.

SECOND DISTRICT. G. E. McCAULEY, Sup't.	Garbage and Ashes Removed.	Street Dirt, Sand, &c., Removed.	Cost of Removal of Garbage.	Cost of Removal of Street Dirt, Sand, &c.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	Number of Scrapers and Sweepers Employed.	Total Amount of Loads Removed.	Total Amount of Expenditures.
Week ending November 3.....	677	872	$432 00	$360 64	24	9	21	1549	$792 64
" " 10.....	702	882	432 00	356 31	24	9	21	1584	788 31
" " 17.....	725	891	432 00	356 98	24	9	21	1616	788 98
" " 24.....	681	891	432 00	369 49	24	9	21	1572	801 49
	2785	3536	$1728 00	$1443 42				6321	$3171 42
Week ending December 1.....	709	795	$414 00	$355 32	24	9	21	1504	$769 32
" " 8.....	733	901	432 00	366 99	24	9	21	1634	798 99
" " 15.....	753	883	432 00	356 98	24	9	21	1636	788 98
" " 22.....	779	882	432 00	361 14	24	9	21	1661	793 14
" " 29	751	891	432 00	340 97	24	9	21	1642	772 97
	3725	4352	$2142 00	$1781 40				8077	$3923 40

THIRD DISTRICT.

MICHAEL FADGEN, Sup't.

Week ending January 7.....	648	935	$252 00	$402 16	14	11	21	1583	$654 16
" " 14.....	658	825	252 00	403 00	14	11	21	1483	655 00
" " 21.....	658	759	252 00	403 00	14	11	21	1417	655 00
" " 28.....	644	704	252 00	405 50	14	11	21	1348	657 50
	2608	3223	$1008 00	$1613 66				5831	$2621 66
Week ending February 4.....	640	660	$252 00	$406 33	14	11	21	1300	$658 33
" " 11.....	658	474	252 00	315 16	14	11	21	1132	567 16
" " 18.....	634	660	252 00	400 00	14	11	21	1294	652 00
" " 25.....	616	550	252 00	371 50	14	11	21	1166	623 50
	2548	2344	$1008 00	$1492 99				4892	$2500 99
Week ending March 4.....	658	558	$252 00	$354 50	14	11	21	1216	$606 50
" " 11.....	644	585	252 00	349 00	14	11	21	1229	601 00
" " 18.....	632	660	243 00	406 53	14	11	21	1292	649 53
" " 25.....	658	583	252 00	387 00	14	11	21	1241	639 00
	2592	2386	$999 00	$1497 03				4978	$2496 03

TABLE A—Continued.

THIRD DISTRICT. MICHAEL FADGEN, Sup't.	Garbage and Ashes Removed.	Street Dirt, Sand, &c., Removed.	Cost of Removal of Garbage.	Cost of Removal of Street Dirt, Sand, &c.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	Number of Scrapers and Sweepers Employed.	Total Amount of Loads Removed.	Total Amount of Expenditures.
Week ending April 1.....	623	671	$249 00	$390 66	14	11	21	1294	$639 66
" " 8.....	630	605	252 00	385 66	14	11	21	1235	637 66
" " 15.....	644	680	252 00	408 00	14	11	21	1324	660 00
" " 22.....	630	671	252 00	405 50	14	11	21	1301	657 50
" " 29.....	644	638	252 00	407 16	14	11	21	1282	659 16
	3171	3265	$1257 00	$1996 98				6436	$3253 98
Week ending May 6.....	654	660	$252 00	$408 00	14	11	21	1314	$660 00
" " 13.....	644	594	252 00	407 16	14	11	21	1238	659 16
" " 20.....	658	674	252 00	387 83	14	11	21	1332	639 83
" " 27.....	644	616	252 00	403 83	14	11	21	1260	655 83
	2600	2544	$1008 00	$1606 82				5144	$2614 82

Week ending June 3	656	649	$252 00	$382 00	14	11	21	1305	$634 00
" " 10	665	704	252 00	408 00	14	11	21	1369	660 00
" " 17	672	700	252 00	407 16	14	11	21	1372	659 16
" " 24	644	694	252 00	396 00	14	11	21	1338	648 00
	2637	2747	$1008 00	$1593 16				5384	$2601 16
Week ending July 1	672	693	$252 00	$408 00	14	11	21	1365	$660 00
" " 8	665	660	252 00	401 50	14	11	21	1325	652 50
" " 15	667	704	252 00	403 83	14	11	21	1371	655 83
" " 22	672	704	252 00	406 33	14	11	21	1376	658 33
" " 29	700	704	252 00	408 00	14	11	21	1404	660 00
	3376	3465	$1260 00	$2027 66				6841	$3287 66
Week ending August 5	672	660	$252 00	$386 83	14	11	21	1332	$638 83
" " 12	658	682	252 00	400 50	14	11	21	1340	652 50
" " 19	674	682	252 00	408 00	14	11	21	1356	660 00
" " 26	672	649	252 00	401 50	14	11	21	1321	653 50
	2676	2673	$1008 00	$1596 83				5349	$2604 83

TABLE A—Continued.

THIRD DISTRICT. MICHAEL FADGEN, Sup't.	Garbage and Ashes Removed.	Street Dirt, Sand, &c., Removed.	Cost of Removal of Garbage.	Cost of Removal of Street Dirt, Sand, &c.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	Number of Scrapers and Sweepers Employed.	Total Amount of Loads Removed.	Total Amount of Expenditures.
Week ending September 2.....	658	638	$252 00	$402 50	14	11	21	1296	$654 50
" " 9.....	644	671	252 00	400 50	14	11	21	1315	652 50
" " 16.....	686	672	252 00	405 50	14	11	21	1358	657 50
" " 23.....	600	693	252 00	407 16	14	11	21	1293	659 16
" " 30.....	686	660	252 00	405 50	14	11	21	1346	657 50
	3274	3334	$1260 00	$2021 16				6608	$3281 16
Week ending October 7.....	636	660	$252 00	$408 00	14	11	21	1296	$660 00
" " 14.....	658	660	252 00	398 33	14	11	21	1318	650 33
" " 21.....	637	682	252 00	406 33	14	11	21	1319	658 33
" " 28.....	660	638	252 00	402 17	14	11	21	1298	654 17
	2591	2640	$1008 00	$1614 83				5231	$2622 83

Week ending November 4.....	658	682	$252 00	$408 00	14	11	21	1340	$660 00
" " 11.....	672	671	252 00	401 33	14	11	21	1343	653 33
" " 18.....	644	649	252 00	400 50	14	11	21	1293	652 50
" " 25.....	658	649	252 00	401 33	14	11	21	1307	653 33
	2632	2651	$1008 00	$1611 16				5283	$2619 16
Week ending December 2.....	644	605	$252 00	$401 33	14	11	21	1249	$653 33
" " 9.....	642	561	252 00	377 66	14	11	21	1203	629 66
" " 16.....	644	671	252 00	408 00	14	11	21	1315	660 00
" " 23.....	658	684	252 00	408 00	14	11	21	1342	660 00
" " 30.....	644	572	252 00	378 83	14	11	21	1216	630 83
	3232	3093	$1260 00	$1973 82				6325	$3233 82

TABLE A—Continued.

FOURTH DISTRICT. J. F. BUSEY, Sup't.	Garbage and Ashes Removed.	Street Dirt, Sand, &c., Removed.	Cost of Removal of Garbage.	Cost of Removal of Street Dirt, Sand, &c.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	Number of Scrapers and Sweepers Employed.	Total Amount of Loads Removed.	Total Amount of Expenditures.
Week ending January 8.....	995	962	$480 00	$392 00	27	9	24	1957	$872 00
" " 15.....	1044	812	486 00	394 00	27	9	24	1856	880 00
" " 22.....	893	716	486 00	367 00	27	9	24	1609	853 00
" " 29.....	819	1023	486 00	386 00	27	9	24	1842	872 00
	3751	3515	$1938 00	$1539 00				7264	$3477 60
Week ending February 5.....	893	742	$486 00	$347 83	27	9	24	1635	$833 83
" " 12.....	922	618	486 00	237 84	27	9	24	1540	723 84
" " 19.....	923	742	486 00	326 82	27	9	24	1665	812 82
" " 26.....	942	760	486 00	334 33	27	9	24	1702	820 33
	3680	2362	$1944 00	$1246 82				6542	$3190 82

Week ending March 5	944	697	$486 00	$305 00	27	9	24	1641	$791 00
" " 12	869	612	486 00	256 33	27	9	24	1481	742 33
" " 19	872	789	486 00	368 50	27	9	24	1661	854 50
" " 26	892	789	486 00	284 99	27	9	24	1681	770 99
	3577	2887	$1944 00	$1214 82				6464	$3158 82
Week ending April 2	871	614	$486 00	$289 00	27	9	24	1485	$775 00
" " 9	824	619	486 00	386 50	27	9	24	1443	872 50
" " 16	880	714	486 00	383 00	27	9	24	1594	869 00
" " 23	840	614	486 00	392 00	27	9	24	1454	878 00
" " 30	786	619	486 00	395 32	27	9	24	1405	881 32
	4201	3180	$2430 00	$1845 82				7381	$4275 82
Week ending May 7	621	763	$486 00	$388 66	27	9	24	1384	$874 66
" " 14	648	718	486 00	398 66	27	9	24	1366	884 66
" " 21	578	593	486 00	395 50	27	9	24	1171	881 50
" " 28	567	716	486 00	397 00	27	9	24	1283	883 00
	2414	2790	$1944 00	$1579 82				5204	$3523 82

TABLE A—Continued.

FOURTH DISTRICT. J. F. BUSEY, Sup't.	Garbage and Ashes Removed.	Street Dirt, Sand, &c., Removed.	Cost of Removal of Garbage.	Cost of Removal of Street Dirt, Sand, &c.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	Number of Scrapers and Sweepers Employed.	Total Amount of Loads Removed.	Total Amount of Expenditures.
Week ending June 4	675	718	$486 00	$386 00	27	9	24	1393	$872 00
" " 11	466	982	486 00	401 16	27	9	24	1448	887 16
" " 18	397	782	486 00	397 00	27	9	24	1179	883 00
" " 25	418	614	486 00	369 83	27	9	24	1032	855 83
	1956	3096	$1944 00	$1553 99				5052	$3497 99
Week ending July 2	408	715	$486 00	$401 16	27	9	24	1123	$887 16
" " 9	452	616	486 00	367 16	27	9	24	1068	853 16
" " 16	667	616	486 00	397 00	27	9	24	1283	883 00
" " 23	679	614	486 00	387 50	27	9	24	1293	873 50
" " 30	627	612	486 00	371 27	27	9	24	1239	857 27
	2833	3173	$2430 00	$1924 09				6006	$4354 09

Week ending August 6.....	677	718	$486 00	$378 66	27	9	24	1395	$864 66
" " 13.....	659	719	486 00	402 00	27	9	24	1378	888 00
" " 20.....	725	719	486 00	400 50	27	9	24	1444	886 50
" " 27.....	710	742	486 00	400 33	27	9	24	1452	886 33
	2771	2898	$1944 00	$1581 49				5669	$3525 49
Week ending September 3.....	697	562	$486 00	$402 00	27	9	24	1259	$888 00
" " 10.....	605	718	486 00	381 33	27	9	24	1323	867 33
" " 17.....	776	718	486 00	398 66	27	9	24	1494	884 66
" " 24.....	695	719	486 00	395 32	27	9	24	1414	881 32
	2773	2719	$1944 00	$1577 31				5490	$3521 31
Week ending October 1.....	699	682	$486 00	$402 00	27	9	24	1381	$888 00
" " 8.....	598	782	486 00	402 00	27	9	24	1380	888 00
" " 15.....	405	640	486 00	351 83	27	9	24	1045	837 83
" " 22.....	367	589	486 00	396 50	27	9	24	956	882 50
" " 29.....	348	621	486 00	392 32	27	9	24	969	878 32
	2417	3314	$2430 00	$1944 65				5731	$4374 65

TABLE A—Continued.

FOURTH DISTRICT. J. F. BUSEY, Sup't.	Garbage and Ashes Removed.	Street Dirt, Sand, &c., Removed.	Cost of Removal of Garbage.	Cost of Removal of Street Dirt, Sand, &c.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	Number of Scrapers and Sweepers Employed.	Total Amount of Loads Removed.	Total Amount of Expenditures.
Week ending November 5.....	319	617	$486 00	$402 00	27	9	24	936	$888 00
" " 12.....	492	519	486 00	394 66	27	9	24	1011	880 66
" " 19.....	494	509	486 00	293 33	27	9	24	1003	779 33
" " 26.....	625	612	486 00	351 99	27	9	24	1237	837 99
	1930	2257	$1944 00	$1441 98				4187	$3385 98
Week ending December 3.....	723	612	$486 00	$395 66	27	9	24	1335	$881 66
" " 10.....	826	612	486 00	373 32	27	9	24	1438	859 32
" " 17.....	608	649	486 00	397 83	27	9	24	1257	883 83
" " 24.....	647	749	486 00	382 00	27	9	24	1396	868 00
" " 31	700	415	480 00	357 32	27	9	24	1115	837 32
	3504	3037	$2424 00	$1906 13				6541	$4330 13

FIFTH DISTRICT.

H. LANCASTER, Sup't.

Week ending January 9.....	913	540	$486 00	$364 50	27	9	21	1453	$850 50
" " 16.....	940	378	480 00	372 00	27	9	21	1318	852 00
" " 23.....	939	382	486 00	356 00	27	9	21	1321	842 00
" " 30.....	942	380	486 00	354 67	27	9	21	1322	840 67
	3734	1680	$1938 00	$1447 17				5414	$3385 17
Week ending February 6.....	988	309	$486 00	$321 33	27	9	21	1297	$807 33
" " 13.....	931	250	486 00	307 00	27	9	21	1181	793 00
" " 20.....	981	370	486 00	353 67	27	9	21	1351	839 67
" " 27.....	1041	371	486 00	353 84	27	9	21	1412	839 84
	3941	1300	$1944 00	$1335 84				5241	$3279 84
Week ending March 6.....	1034	466	$486 00	$330 34	27	9	21	1500	$816 34
" " 13.....	1041	357	486 00	329 50	27	9	21	1398	815 50
" " 20.....	1017	432	486 00	372 00	27	9	21	1449	858 00
" " 27.....	927	402	486 00	372 00	27	9	21	1329	858 00
	4019	1657	$1944 00	$1403 84				5676	$3347 84

TABLE A—Continued.

FIFTH DISTRICT. H. LANCASTER, Sup't.	Garbage and Ashes Removed.	Street Dirt, Sand, &c., Removed.	Cost of Removal of Garbage.	Cost of Removal of Street Dirt, Sand, &c.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	Number of Scrapers and Sweepers Employed.	Total Amount of Loads Removed.	Total Amount of Expenditures.
Week ending April 3	1019	432	$486 00	$369 50	27	9	21	1451	$855 50
" " 10	1012	405	486 00	372 00	27	9	21	1417	858 00
" " 17	779	540	486 00	372 00	27	9	21	1319	858 00
" " 24	1020	432	486 00	372 00	27	9	21	1452	858 00
	3830	1809	$1944 00	$1485 50				5639	$3429 50
Week ending May 1	1021	475	$486 00	$372 00	27	9	21	1496	$858 00
" " 8	923	530	486 00	372 00	27	9	21	1453	858 00
" " 15	912	432	486 00	372 00	27	9	21	1344	858 00
" " 22	981	428	486 00	370 50	27	9	21	1409	856 50
" " 29	979	468	486 00	372 00	27	9	21	1447	858 00
	4816	2333	$2430 00	$1858 50				7149	$4288 50

Week ending June 5.....	1031	462	$486 00	$366 50	27	9	21	1493	$852 50
" " 12.....	973	432	486 00	367 00	27	9	21	1405	853 00
" " 19.....	973	324	486 00	370 33	27	9	21	1297	856 33
" " 26.....	856	450	486 00	365 66	27	9	21	1306	851 66
	3833	1668	$1944 00	$1469 49				5501	$3413 49
Week ending July 3.....	972	376	$486 00	$370 33	27	9	21	1348	$856 33
" " 10.....	972	272	486 00	346 33	27	9	21	1244	832 33
" " 17.....	993	324	486 00	372 00	27	9	21	1317	858 00
" " 23.....	988	378	486 00	372 00	27	9	21	1366	858 00
" " 30.....	972	384	486 00	359 83	27	9	21	1356	845 83
	4897	1734	$2430 00	$1820 49				6631	$4250 49
Week ending August 7.....	987	371	$486 00	$369 00	27	9	21	1358	$855 00
" " 14.....	1037	416	486 00	364 33	27	9	21	1453	850 33
" " 21.....	880	321	486 00	370 50	27	9	21	1201	856 50
" " 28.....	975	224	486 00	372 00	27	9	21	1299	858 00
	3879	1432	$1944 00	$1475 83				5311	$3419 83

TABLE A—Continued.

FIFTH DISTRICT. H. LANCASTER, Sup't.	Garbage and Ashes Removed.	Street Dirt, Sand, &c., Removed.	Cost of Removal of Garbage.	Cost of Removal of Street Dirt, Sand, &c.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	Number of Scrapers and Sweepers Employed.	Total Amount of Loads Removed.	Total Amount of Expenditures.
Week ending September 4.....	971	318	$486 00	$367 33	27	9	21	1289	$853 33
" " 11.....	858	540	486 00	367 00	27	9	21	1398	853 00
" " 18.....	902	342	486 00	370 33	27	9	21	1244	856 33
" " 25.....	854	324	486 00	372 00	27	9	21	1178	858 00
	3585	1524	$1944 00	$1476 66				5109	$3420 66
Week ending October 2.....	829	486	$486 00	$372 00	27	9	21	1315	$858 00
" " 9.....	846	324	486 00	372 00	27	9	21	1170	858 00
" " 16.....	823	324	486 00	372 00	27	9	21	1147	858 00
" " 23.....	838	378	486 00	372 00	27	9	21	1216	858 00
" " 30.....	852	432	486 00	372 00	27	9	21	1284	858 00
	4188	1944	$2430 00	$1860 00				6132	$4290 00

Week ending November 6.....	894	432	$486 00	$372 00	27	9	21	1326	$858 00
" " 13.....	932	432	486 00	374 59	27	9	21	1364	860 59
" " 20.....	922	432	483 00	347 16	27	9	21	1354	830 16
" " 27.....	915	378	486 00	364 50	27	9	21	1293	850 50
	3663	1674	$1941 00	$1458 25				5337	$3399 25
Week ending December 4.....	953	400	$486 00	$338 00	27	9	21	1353	$824 00
" " 11.....	950	420	486 00	367 50	27	9	21	1370	853 50
" " 18.....	973	432	486 00	367 00	27	9	21	1405	853 00
" " 25.....	756	384	486 00	372 00	27	9	21	1140	858 00
" " 31.....	1105	373	486 00	384 00	27	9	21	1478	870 00
	4737	2009	$2430 00	$1828 50				7746	$4258 50

TABLE A—Continued.

SIXTH DISTRICT. J. MEAGHER, Sup't.	Garbage and Ashes Removed.	Street Dirt, Sand, &c., Removed.	Cost of Removal of Garbage.	Cost of Removal of Street Dirt, Sand, &c.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	Number of Scrapers and Sweepers Employed.	Total Amount of Loads Removed.	Total Amount of Expenditures.
Week ending January 10.....	1178	775	$486 00	$249 96	27	9	19	1953	$735 96
" " 17.....	1141	1116	486 00	332 81	27	9	19	2257	818 81
" " 24.....	1101	790	486 00	250 59	27	9	19	1891	736 59
" " 31.....	1112	1205	486 00	322 29	27	9	19	2317	808 29
	4532	3886	$1944 00	$1155 65				8418	$3099 65
Week ending February 7.....	1128	922	$486 00	$256 44	27	9	19	2050	$742 44
" " 14..	1115	940	486 00	265 42	27	9	19	2055	751 42
" " 21.....	1109	983	486 00	288 11	27	9	19	2092	774 11
" " 28.....	1132	1013	486 00	285 10	27	9	19	2145	771 10
	4484	3858	$1944 00	$1095 07				8342	$3039 07

Week ending March 7	1122	651	$486 00	$209 63	27	9	19	1773	$695 63
" " 14	1122	967	486 00	278 31	27	9	19	2089	764 31
" " 21	1121	1227	486 00	346 32	27	9	19	2348	832 32
" " 28	1125	1224	486 00	334 62	27	9	19	2349	820 62
	4490	4069	$1944 00	$1168 88				8559	$3112 88
Week ending April 4	1117	945	$486 00	$290 29	27	9	19	2062	$776 29
" " 11	1095	1011	486 00	365 98	27	10	19	2106	851 98
" " 18	1072	953	486 00	323 64	27	10	19	2025	809 64
" " 25	1068	1012	486 00	366 65	27	10	19	2080	852 65
	4352	3921	$1944 00	$1346 56				8273	$3290 56
Week ending May 2	1056	1009	$486 00	$365 00	27	10	19	2065	$851 00
" " 9	1043	1016	486 00	364 16	27	10	19	2059	850 16
" " 16	1050	1011	486 00	366 65	27	10	19	2061	852 65
" " 23	1038	1004	486 00	350 95	27	10	19	2042	836 95
" " 30	1017	1009	486 00	370 00	27	10	19	2026	856 00
	5204	5049	$2430 00	$1816 76				10253	$4246 76

TABLE A—Continued.

SIXTH DISTRICT. J. MEAGHER, Sup't.	Garbage and Ashes Removed.	Street Dirt, Sand, &c., Removed.	Cost of Removal of Garbage.	Cost of Removal of Street Dirt, Sand, &c.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	Number of Scrapers and Sweepers Employed.	Total Amount of Loads Removed.	Total Amount of Expenditures.
Week ending June 6	1023	987	$486 00	$354 64	27	10	19	2010	$840 64
" " 13	856	1011	486 00	364 99	27	10	19	1867	850 99
" " 20	840	994	486 00	355 66	27	10	19	1834	841 66
" " 27	839	991	486 00	348 96	27	10	19	1830	834 96
	3558	3983	$1944 00	$1424 25				7541	$3368 25
Week ending July 4	903	936	$486 00	$337 64	27	10	19	1839	$823 64
" " 11	812	940	486 00	352 64	27	10	19	1752	838 64
" " 18	810	1018	486 00	358 32	27	10	19	1828	844 32
" " 25	818	997	486 00	350 94	27	10	19	1815	836 94
	3343	3891	$1944 00	$1399 54				7234	$3343 54

Week ending August 1.....	818	1005	$486 00	$327 78	27	10	19	1823	$813 78
" " 8.....	815	1022	486 00	358 28	27	10	19	1837	844 28
" " 15.....	819	1020	486 00	359 99	27	10	19	1839	845 99
" " 22.....	880	1020	486 00	361 66	27	10	19	1900	847 66
" " 29.....	754	984	486 00	348 13	27	10	19	1738	834 13
	4086	5051	$2430 00	$1755 84				9137	$4185 84
Week ending September 5.....	1143	1009	$486 00	$351 63	27	10	19	2152	$837 63
" " 12.....	1196	1016	486 00	350 80	27	10	19	2212	836 80
" " 19.....	1066	1015	486 00	340 80	27	10	19	2081	826 80
" " 26.....	1074	976	486 00	344 80	27	10	19	2050	830 80
	4479	4016	$1944 00	$1388 03				8495	$3332 03
Week ending October 3.....	908	1021	$486 00	$356 61	27	10	19	1929	$842 61
" " 10.....	795	1013	486 00	354 14	27	10	19	1808	840 14
" " 17.....	756	1013	486 00	367 48	27	10	19	1769	853 48
" " 24.....	871	998	486 00	343 63	27	10	19	1869	829 63
" " 31.....	816	1004	486 00	360 96	27	10	19	1820	846 96
	4146	5049	$2430 00	$1782 82				9195	$4212 82

TABLE A—Concluded.

SIXTH DISTRICT. J. MEAGHER, Sup't.	Garbage and Ashes Removed.	Street Dirt, Sand, &c., Removed.	Cost of Removal of Garbage.	Cost of Removal of Street Dirt, Sand, &c.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	Number of Scrapers and Sweepers Employed.	Total Amount of Loads Removed.	Total Amount of Expenditures.
Week ending November 7.....	810	998	$486 00	$360 14	27	10	19	1808	$846 14
" " 14.....	853	890	486 00	368 50	27	10	19	1743	854 50
" " 21.....	931	800	486 00	331 30	27	10	19	1731	817 30
" " 28.....	890	741	486 00	370 00	27	10	19	1631	856 00
	3484	3429	$1944 00	$1429 94				6913	$3373 94
Week ending December 5.....	963	630	$486 00	$346 00	27	10	19	1593	$832 82
" " 12.....	1033	650	486 00	337 43	27	10	19	1683	823 43
" " 19.....	956	686	486 00	370 00	27	10	19	1642	856 00
" " 26.....	984	702	486 00	364 48	27	10	19	1686	850 48
" " 31	892	696	486 00	363 82	27	10	19	1588	849 82
	4828	3364	$2430 00	$1781 55				8192	$4212 55

TABLE B.

Report of Work Done in the Department of Street Cleaning, for each Month of the Year ending December 31st, 1891, and Amount Expended for Dumps, Tools and Incidentals; also Total Amount of Receipts for Refuse, &c.

MONTH.	Total No. of Loads of Garbage Collected and Removed.	Total No. of Loads of Street Dirt, Sand, Snow, Ice, &c., Collected and Removed.	Cost of Collecting and Removing Garbage.	Cost of Collecting and Removing Street Dirt, Sand, Snow, Ice, &c.	Cost of the Several Dumps.	Expenditures for Tools, Incidentals, &c.	No. of Garbage Carts Employed.	No. of Street Carts Employed.	No. of Scrapers and Sweepers Employed.	Total No. of Loads of All Kinds Removed.	Total Expenditures for Work Done in Street and Garbage Department.	Total Am't of Money Received and Paid to Comptroller.	Paid to M. W. Adams, for Removal of Garbage.
January. . .	22,088	19,031	$10,707 00	$ 8,933 89	$398 00	$229 35	149	57	134	41,119	$19,640 89	$ 47 20	$4,250 00
February . .	22,203	16,693	10,728 00	8,200 85	384 00	351 70	149	57	134	38,896	18,928 85	42 35	. . . . .
March. . . .	23,093	18,732	11,148 00	8,779 54	386 00	174 60	149	57	134	41,825	19,927 54	41 60	. . . . .
April	22,718	19,405	11,460 00	10,024 84	380 66	73 17	149	59	135	42,123	21,484 84	48 70	2,125 00
May	22,743	19,731	11,910 00	10,288 26	394 68	99 80	149	58	135	42,474	22,198 26	43 30	. . . . .
June	20,908	19,823	11,484 00	10,075 82	392 68	225 72	149	58	135	40,731	21,559 82	329 05	. . . . .
July.	21,728	18,192	11,952 00	10,448 62	394 68	111 52	149	58	135	39,920	22,400 62	17 56	2,125 00
August . . .	22,652	19,613	11,754 00	10,154 52	384 00	166 75	149	58	135	42,265	21,908 52	. . . .	. . . . .
September. .	23,624	19,281	11,409 00	10,118 17	392 68	184 25	149	57	134	42,905	21,527 17	34 05	. . . . .
October . . .	21,577	19,855	12,399 00	10,601 95	394 68	232 12	149	57	134	41,432	23,000 95	11 10	. . . . .
November. .	19,764	17,493	11,049 00	9,599 50	384 00	226 85	149	58	134	37,257	20,648 50	31 20	. . . . .
December . .	25,162	19,189	13,062 00	11,197 20	403 34	328 67	149	58	135	44,351	24,259 20	266 65	. . . . .
Total . . .	268,260	227,038	$139,062 00	$118,423 16	$4,689 40	$2,404 50				495,298	$257,485 16	$912 76	$8,500 00

TABLE C.

Recapitulation.

Total number of loads of garbage and ashes collected and removed, from January 1st to December 31st, 1891, inclusive	268,260
Total number of loads of street dirt, sand, etc., collected and removed, from January 1st to December 31st, 1891, inclusive	227,038
Total number of all kinds removed during the year 1891	495,298

TABLE C—Concluded.

Total amount paid for collecting and removing garbage and ashes, from January 1st to December 31st, 1891, inclusive	$139,062 00	
Total amount paid for collecting and removing street dirt, sand, etc., from January 1st to December 31st, 1891, inclusive	118,423 16	
		$257,485 16
Amount of money received for refuse, from January 1st to December 31st, 1891, inclusive		$912 76

TABLE D.

Showing the Amount of Animal and Vegetable Garbage Delivered to Contractors at Canton and Winans' Cove Dumps.

1891. MONTHS.	CANTON DUMP.	No. of Loads.
January	John Holdefer, Sup't	940
February	" "	943
March	" "	944
April	" "	949
May	" "	2634
June	" "	2750
July	" "	3222
August	" "	4956
September	" "	4233
October	" "	3169
November	" "	1155
December	" "	910
		26805

TABLE D—Concluded.

1891. MONTHS.	WINANS' COVE DUMP.	No. of Loads.	Total.
January	L. S. Fefel, Sup't	1521	2461
February	" "	1451	2394
March	" "	1492	2436
April	" "	2281	3330
May	" "	4096	6730
June	" "	4025	6775
July	" "	5292	8514
August	" "	9026	13982
September	" "	7701	11934
October	" "	6208	9277
November	" "	2028	3183
December	" "	1471	2381
		46592	73397

TABLE E.

Showing Disbursements for year ending December 31st, 1891.

Total amount expended for collecting and removing garbage, ashes, street dirt, etc., from January 1st to December 31st, 1891	$257,485 16
Amount expended for dumps, from January 1st to December 31st, 1891	4,689 40
Amount expended for salaries, from January 1st to December 31st, 1891	9,991 48
Amount expended for tools, from January 1st to December 31st, 1891	2,404 50
Paid to M. W. Adams for removal of garbage	8,500 00
Total	$283,070 54

TABLE E—Concluded.

Amount of appropriation for the Department of Street Cleaning for the year 1891	$285,846 00
Amount of appropriation expended	283,070 54
Total unexpended balance	$2,775 46

TABLE F.

Showing amount expended for removal of Garbage, Street Dirt, &c., in the City Annex, and Salary of Superintendent.

SEVENTH DISTRICT. JOS. McGEE, Sup't.	Garbage and Ashes Removed.	Street Dirt, Sand, &c., Removed.	Cost of Removal of Garbage.	Cost of Removal of Street Dirt, Sand, &c.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	Number of Scrapers and Sweepers Employed.	Total Amount of Loads Removed.	Total Amount of Expenditures.
Week ending January 10.....	457	90	$216 00	$58 86	12	2	6	547	$274 86
" " 17.....	453	124	216 00	94 30	12	2	6	577	310 30
" " 24.....	437	90	216 00	79 67	12	2	6	527	295 67
" " 31.....	446	120	216 00	96 00	12	2	6	565	312 00
	1792	424	$864 00	$328 83				2216	$1192 83
Week ending February 7.....	444	91	$216 00	$55 15	12	2	6	535	$271 15
" " 14.....	451	60	216 00	44 66	12	2	6	511	260 66
" " 21.....	434	92	216 00	87 00	12	2	6	526	303 00
" " 28.....	441	80	216 00	63 96	12	2	6	521	279 96
	1770	323	$864 00	$250 77				2093	$1114 77

Week ending March 7.....	464	80	$216 00	$58 96	12	2	6	544	$274 96
" " 14.....	448	100	216 00	79 98	12	2	6	548	295 98
" " 21.....	447	110	216 00	79 98	12	2	6	557	295 98
" " 28.....	446	100	216 00	94 98	12	2	6	546	310 98
	1805	390	$864 00	$313 90				2195	$1177 90
Week ending April 4.....	447	72	$216 00	$ 60 96	12	2	6	519	$276 96
" " 11.....	438	120	216 00	96 00	12	2	6	558	312 00
" " 18.....	426	104	216 00	79 98	12	2	6	530	295 98
" " 25.....	421	130	216 00	110 16	12	2	6	551	326 16
	1732	426	$864 00	$347 10				2158	$1211 10
Week ending May 2.....	412	120	$216 00	$ 96 00	12	2	6	532	$312 00
" " 9.....	420	120	216 00	96 00	12	2	6	540	312 60
" " 16.....	392	120	216 00	92 66	12	2	6	512	308 66
" " 23.....	426	110	216 00	86 28	12	2	6	536	302 28
" " 30.....	430	130	216 00	111 00	12	2	6	560	327 00
	2080	600	$1080 00	$481 94				2680	$1561 94

TABLE F—Continued.

SEVENTH DISTRICT. JOS. McGEE, Sup't.	Garbage and Ashes Removed.	Street Dirt, Sand, &c., Removed.	Cost of Removal of Garbage.	Cost of Removal of Street Dirt, Sand, &c.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	Number of Scrapers and Sweepers Employed.	Total Amount of Loads Removed.	Total Amount of Expenditures.
Week ending June 6	438	130	$216 00	$ 89 68	12	2	6	568	$305 68
" " 13	315	116	216 00	96 00	12	2	6	431	312 00
" " 20	428	120	216 00	96 00	12	2	6	548	312 00
" " 27	429	107	216 00	104 49	12	2	6	536	320 49
	1610	473	$864 00	$386 17				2083	$1250 17
Week ending July 4	422	104	$216 00	$ 79 98	12	2	6	526	$295 98
" " 11	426	100	216 00	74 97	12	2	6	526	290 97
" " 18	437	120	216 00	90 99	12	2	6	557	306 99
" " 25	432	110	216 00	106 99	12	2	6	542	322 99
	1717	434	$864 00	$352 93				2151	$1216 93

Week ending August 1.....	444	80	$216 00	$ 62 30	12	2	6	524	$278 30
" " 8.....	426	120	216 00	96 00	12	2	6	546	312 00
" " 15.....	434	90	216 00	91 33	12	2	6	524	307 33
" " 22.....	431	120	216 00	93 49	12	2	6	551	309 49
" " 29.....	434	120	216 00	107 66	12	2	6	554	323 66
	2169	530	$1080 00	$450 78				2699	$1530 78
Week ending September 5.....	445	120	$216 00	$ 92 66	12	2	6	565	$308 66
" " 12.....	445	130	216 00	96 00	12	2	6	575	312 00
" " 19.....	447	120	216 00	90 33	12	2	6	567	306 33
" " 26.....	447	110	216 00	105 99	12	2	6	557	321 99
	1784	480	$864 00	$384 98				2264	$1248 98
Week ending October 3.....	463	100	$216 00	$ 87 96	12	2	6	563	$303 96
" " 10.....	480	110	216 00	89 32	12	2	6	590	305 32
" " 17.....	460	110	216 00	87 96	12	2	6	570	303 96
" " 24.....	485	90	216 00	74 97	12	2	6	575	290 97
" " 31.....	452	90	216 00	111 00	12	2	6	542	327 00
	2340	500	$1080 00	$451 21				2840	$1531 21

TABLE F—Continued.

SEVENTH DISTRICT. JOS. McGEE, Sup't.	Garbage and Ashes Removed.	Street Dirt, Sand, &c., Removed.	Cost of Removal of Garbage.	Cost of Removal of Street Dirt, Sand, &c.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	Number of Scrapers and Sweepers Employed.	Total Amount of Loads Removed.	Total Amount of Expenditures.
Week ending November 7.....	456	80	$216 00	$87 66	12	2	6	536	$303 66
" " 14.....	454	86	216 00	84 63	12	2	6	540	300 63
" " 21.....	472	90	216 00	79 98	12	2	6	562	295 98
" " 28.....	468	90	216 00	92 48	12	2	6	558	308 48
	1850	346	$864 00	$344 75				2196	$1208 75
Week ending December 5.....	475	79	$216 00	$94 33	12	2	6	554	$310 33
" " 12.....	474	100	216 00	76 65	12	2	6	574	292 75
" " 19.....	484	110	216 00	96 00	12	2	6	594	312 00
" " 26.....	457	90	216 00	111 00	12	2	6	547	327 00
" " 31.....	464	75	216 00	55 82	12	2	6	539	271 82
	2354	454	$1080 00	$433 80				2808	$1513 80

TABLE F—Concluded.

Amount of appropriation.....		$17,284 00
Amount expended for removing garbage and ashes, from January 1st to December 31st, 1891.....	$11,016 00	
Amount expended for removing street dirt, sand, etc., from January 1st to December 31st, 1891.....	4,471 34	
Salary of superintendent, from January 1st to December 31st, 1891.....	999 99	
		16,487 33
Unexpended balance.....		$796 67

ANNUAL REPORT

— OF THE —

TRUSTEES OF THE POOR

— OF THE —

CITY OF BALTIMORE,

— TO THE —

MAYOR AND CITY COUNCIL OF BALTIMORE,

— FOR THE —

Fiscal Year Ending December 31st, 1891.

OFFICERS OF THE INSTITUTION.

BOARD OF TRUSTEES:

JOSEPH FRIEDENWALD, *President.*

JOHN BLACK, *Secretary.*	JOHN J. PENTZ,
SIMON I. KEMP,	JOHN J. HOFFMAN,
IRA REMSEN,	JACOB PAPPLER.

ADOLPH MARTINI	Superintendent.
JOHN M. McELROY	Purveyor.
JOHN R. HAMMETT	Clerk and Storekeeper.
SUSANNA McCAHAN	Matron.
WILLIAM KAISER	Engineer.
JAMES J. FARRALL	Assistant Engineer.
JOHN F. BARRENGER	Gardener.
THOMAS CONNOR	Messenger.
CHARLES JONES	Baker.
PATRICK BUTLER	Carriage Driver.

Medical Department:

DR. HENRY B. WILSON	Resident Physician.
DR. STANDISH McCLEARY	" "
DR.	Resident Physician for Insane Department.
DR. R. E. GARRETT	Ass't Resident Physician for Insane Department.
JAMES A. TIERNEY	Apothecary.

REPORT.

BAY VIEW, December 31st, 1891.

To the Honorable the Mayor
and City Council of Baltimore.

GENTLEMEN:

We take pleasure in submitting in compliance with an ordinance of the Mayor and City Council of Baltimore, the report of the operations and general conditions of Bay View Asylum during the year ending December 31st, 1891, accompanied with suggestions and recommendations as seems to be proper and necessary.

The labors for the past year have been more than ordinary, caused in part by the overcrowding of the Insane Department to such an extent that every effort was made to bring to a state of completion the new Insane Building, which gave an additional room for about 120 patients; this relief was timely, and is sufficient only for the time being, an increase of 30 to 40 would place us again in the same crowded condition as we were before the erection of the new building.

In view of this fact, the Board of Trustees have given this matter a full consideration and appointed a committee to confer with Dr. John Morris, Dr. H. M. Hurd, Dr. Rohe and Wilmot Johnston, President of Spring Grove Asylum. This committee met and the whole subject was fully discussed, and as a result, it was unanimously agreed that the State ought and should make ample provision for the care of its entire insane, and that the patients should not be classed in part, as indigent or paupers, but should receive such treatment as an enlightened and human people should demand, and furthermore, that two more Insane Buildings be erected for the accommodation of those afflicted with insanity, one on the Eastern Shore of Maryland and the other within a reasonable distance from Spring Grove Asylum. The whole matter was left in charge of a sub-committee to frame a petition embodying the foregoing conclusions, and report the same at an early day, so that these recommendations could be presented to the present Legislature, and that the committee urge that a law be enacted in accordance therewith, and the necessary appropriations be obtained, to all of which we ask your active co-operation.

If we should fail in this endeavor, it is apparent to us that in the near future additional buildings will have to be erected to take charge of the insane, who, in part, come from the several counties in the State, for the reason that the general accommodations are utterly inadequate, and, as a consequence, we are com-

pelled to admit for treatment those who naturally gravitate to our insane department.

Having accepted the charge as Trustees, it has been our steady aim to conduct this institution in the line of general progress, so that our calling would be in strict conformity with its humane duties, and, at the same time, guard the City's interest against useless expenditures.

There is possibly no subject which agitates the public, and where greater difference of opinion exists, than in the general treatment of a city's poor. All argue from the standpoints of their own views, and deliver their opinions from the accidental shade of a moment's conception, but no one can better conceive the wants of the unfortunate than those who are constantly with the poor, and who have studied the infirmities to which man is heir to.

For the purpose of illustration, the Board of Trustees will name the various departments under their immediate care. They are classified as follows: Chronics, insane and hospital patients, exclusive of those who, from bodily infirmities, are unable to provide for themselves for any continued length of time, but earn at best a portion of their living during the summer months in such occupations as their physical and mental condition will admit of. However, during their stay at the Asylum in the fall and winter months they are required to work on the farm, and are otherwise

employed in doing such work as is required of them, and are willing to obey and render such service as is demanded and necessary to be done—in fact, nearly the entire work, both in and out doors, *is* done by this class of inmates.

It affords us pleasure to say that their department is *generally good.*

CHRONIC DEPARTMENT.

This department contains the old and decrepid, both male and female, who, in most cases, have outlived their families and became poor, helpless and dependent, and as a class deserve our warmest sympathies and attention. They are made comfortable in every degree possible, and enjoy really a happy home.

INSANE DEPARTMENT.

This department has had special attention and we are glad to state the treatment of the insane has been very much improved under the continued effort to keep pace with the work which is done in other similar institutions. In this effort we have been ably assisted by Dr. Hurd and Dr. Berkeley, who gave personal attention to the treatment of the insane, and to whom the Board of Trustees are much indebted. We extend to them our best thanks.

HOSPITAL DEPARTMENT.

The results of this portion of our labors and attention is most gratifying, the wards are well ventilated and the patients are made comfortable and have a good medical treatment and attention.

We have two resident physicians and a number of resident students, this entire department being under the direct supervision and control of the College of Physicians and Surgeons and the Maryland University, whose professors pay daily visits to Bay View, and direct its work, all of which has been most satisfactory and the results quite gratifying.

FARMING OPERATIONS.

It is with pleasure that we report an increase of the farm products. We were enabled to supply for about four months the entire establishment with good potatoes, besides an abundance of the various vegetables used for household purposes, and in addition canned about 5,000 cans of tomatoes, which are used during the winter. This branch of industry conduces very much to the maintainence of the institution and is the means of giving employment to the inmates.

INMATES.

There were remaining in the institution December 31st, 1891, 1,512 inmates. There were admitted during the year 2,423. There were born in the institution during the same period 5 children, making a total of 3,940, who received the benefit of this institution during the year. The average number of inmates during the year, $1,141\frac{8}{12}$.

The amount drawn as per warrants upon the City Comptroller during the year was $94,996.84, less $2,924.36 received from sundry sources, as per exhibit,

and paid into the City Treasury under existing City ordinance, reducing the net amount expended by the Trustees for the year ending December 31st, 1891, to $92,472.48, the cost per capita being 80.64\frac{19}{26}$.

The number in the Asylum at this time is 1,512, of which number 1,320 are white and 192 are colored. Of the 2,423 admitted during the year, 1,284 were born in the United States, 1,120 were of foreign born and 19 unknown. Of the number born in the United States 698 claim their nativity in the City of Baltimore, 431 were born in the State of Maryland and 1,294 claim their nativity in the States of the Union. Of the 5 infants born in the institution, 2 were white and 3 were colored.

FINANCIAL.

Exhibit No. 1 of this report will show the amount received and the source from whence it was derived during the year, as also the purpose for which it was expended.

The amount of the appropriation made by the City for the support of the institution for the year ending December 31st, 1891, was $95,000.00. By reference to the aforesaid exhibit, it will be observed that of the amount appropriated, $94,996.84 was drawn from the City Treasury, and $2,924.36 was paid to the City Register from board of inmates, resident students and sales of old material, such as rags, bones, barrels, &c., received; also returned to the City Treasury $3.16, amount of appropriation unexpended.

The amount drawn from the City Treasury has enabled the Trustees to meet and discharge all liabilities incurred by them in the management of the trust confided to them. The Trustees, owing to the number of inmates, find it necessary to ask for an appropriation of $95,000 for the year 1892.

The Board tender to all the officers their warmest thanks for their faithful and efficient services during the year.

JOSEPH FRIEDENWALD,
JOHN BLACK,
SIMON I. KEMP,
JOHN J. PENTZ,
JACOB PAPPLER,
IRA REMSEN,
JOHN J. HOFFMAN,
Trustees.

FINANCIAL EXHIBIT FOR 1891.

Showing the amount received by the Trustees during the year terminating December 31st, 1891, the source from whence derived and the purposes for which disbursements were made, and the amount expended.

Dr.		Cr.	
1891.		1891.	
Dec. 31—To amount received from City Comptroller on account of annual appropriation.....	$94,996 84	Dec. 31—By balance paid for supplies, embracing food, fuel, clothing, bedding and other necessaries.	$62,536 11
To am't received for sale of bones, grease, barrels, old iron, offals, &c	101 96	By amount expended on farm account, embracing provender for horses and cows, repair of carriages and wagons and harness, purchases and repairs of farm implements, shoeing animals, and such other expenditures as are properly chargeable to farm account.....	5,709 72
To amount received from inmate boarders.	1,776 00		
To amount received from board of resident students	900 00		
To amount received from sale of medicines	3 40		
To amount received from sale of live stock	143 00		

		By amount paid for hospital stores	3,815	84
		By amount paid for expenses incurred in repairs about the buildings and fences	4,311	11
		By amount paid for salaries and hire account	17,414	06
		By amount paid Trustees per diem	1,210	00
		By amount paid City Register as required by ordinance of the City	2,924	36
	$97,921	20	$97,921	20

FINANCIAL EXHIBIT FOR 1891—Concluded.

RECAPITULATION.

Amount drawn from City Treasurer	$94,996 84
Amount paid City Register	2,924 36
Actual amount expended	$92,072 48
Average number of inmates	1.141 8/12
Cost per capita	80.64 19/26
Amount of appropriation	$95,000 00
Amount expended	94,996 84
Amount unexpended remaining in City Treasury	$3 16

TABULAR STATEMENT

OF THE

SUPERINTENDENT,

MARKED A TO M,

For the Year 1891.

TABLE A.

Showing the Number of Persons Admitted, Born, Discharged, Eloped, Bound and Died; also the Number Remaining at the Expiration of each Month, for the year ending December 31st, 1891.

Date 1891.	Admitted.	Born.	Discharged.	Eloped.	Bound.	Died.	Remaining.
January....	263	1	126	70	....	20	1,269
February...	212	0	153	76	....	11	1,241
March.....	198	0	102	40	....	23	1,274
April.....	131	1	173	177	....	18	1,038
May	126	0	124	64	....	13	963
June.....	127	1	64	27	....	12	988
July	161	0	76	30	....	18	1,025
August.....	126	0	85	27	....	19	1,020
September..	166	1	100	22	....	10	1,048
October	230	0	118	19	....	9	1,137
November ..	285	0	97	21	....	22	1,282
December...	458	1	141	57	....	33	1,512
	2,483	5	1,359	630	....	208	13,797

On the books December 31st, 1890..... 1,221
Total ingress..... 2,428

3,649
Total egress..... 2,137

In the house December 31st, 1891.....1,512

TABLE B.

Showing the Birthplace of Persons Admitted to the Almshouse from January 1st, 1891, to December 31st, 1891.

NATIVES.		FOREIGNERS.	
Almshouse	5	Australia	2
Baltimore	548	Austria	1
Connecticut	9	Belgium	5
Delaware	7	Bohemia	1
District of Columbia.	14	Canada	16
Florida	3	Denmark	5
Georgia	7	England	111
Illinois	7	France	15
Indiana	5	Germany	324
Iowa	1	Holland	1
Kentucky	2	Italy	4
Louisiana	8	Ireland	563
Maine	4	Norway	1
Maryland	213	Poland	12
Massachusetts	26	Russia	13
Michigan	7	Scotland	38
Minnesota	2	Sweden	3
Missouri	1	Switzerland	3
New Hampshire	1	West Indies	2
New Jersey	23	Wales	5
New York	119		1125
North Carolina	19		
Ohio	15		
Pennsylvania	114		
Rhode Island	10		
South Carolina	6		
Unknown	19		
Vermont	1		
Virginia	99	Foreigners	1125
West Virginia	8	Natives	1303
	1303	Total	2428

TABLE C.

Showing the Ages of Persons Admitted to the Almshouse from January 1st, 1891 to December 31st, 1891.

Under 1 year	7
From 1 to 5 years	5
" 5 " 10 "	1
" 10 " 20 "	71
" 20 " 30 "	437
" 30 " 40 "	594
" 40 " 50 "	563
" 50 " 60 "	396
" 60 " 70 "	207
" 70 " 80 "	95
" 80 " 90 "	31
" 90 " 100 "	2
Unknown	19
Total	2,428

TABLE D.

Showing the Period of Residence in the City of all Persons Admitted to the Almshouse from January 1st, 1891, to December 31st, 1891.

Born in the Almshouse	5
Born in Baltimore	558
Less than one week	183
One week and less than one month	179
One month and less than three	106
Three months and less than six	87
Six months and less than twelve	94
One year and less than two	161
Over two years	1,008
Period of residence unknown	47
Total	2,428

TABLE E.

Showing the Habits of Persons Admitted to the Almshouse from January 1st, 1891, to December 31st, 1891.

Intemperate adults	1,794
Temperate adults	551
Adults whose habits are unknown	58
Children of intemperate adults	13
Children of temperate adults	12
	2,428

TABLE F.

Showing the Monthly Average of Persons in the Almshouse, from January 1st, 1891, to December 31st, 1891.

Date—1891	WHITE.			COLORED.			Total.	WHERE FROM.		Total.
	Men.	Women.	Children.	Men.	Women.	Children.		Natives of City and 6 months Residents.	Elsewhere.	
January	745	346	16	82	87	3	1,279	194	1,085	1,279
February	710	341	16	86	88	3	1,244	144	1,100	1,244
March	743	344	17	85	94	2	1,285	150	1,135	1,285
April	580	333	12	74	95	2	1,096	98	998	1,096
May	462	335	12	66	98	1	974	109	865	974
June	440	334	13	63	95	0	945	106	839	945
July	485	343	12	68	93	0	1,001	132	869	1,001
August	474	340	11	63	89	0	977	101	876	977
September	512	342	10	74	91	1	1,030	111	919	1,030
October	539	345	12	70	90	1	1,057	126	931	1,057
November	760	352	12	81	94	1	1,300	216	1,084	1,300
December	953	354	13	92	99	1	1,512	270	1,242	1,512
Total	7,393	4,119	156	904	1,113	15	13,700	1,757	11,943	13,700
Monthly average	$616\frac{1}{12}$	$343\frac{3}{12}$	13	$75\frac{4}{12}$	$92\frac{9}{12}$	$1\frac{3}{12}$	$1,141\frac{8}{12}$	$146\frac{5}{12}$	$995\frac{3}{12}$	$1,141\frac{8}{12}$

TABLE G.

Showing the Number of Persons Committed to the Almshouse by Magistrates, and their Age, Sex, Color and Period of Commitment, from January 1st, 1891, to December 31st, 1891.

Date—1891.	SEX AND AGE.				Total.	COLOR.		Total.	PERIOD OF COMMIT'T			Total.
	Males over 21.	Males under 21.	Females over 18.	Females under 18.		White.	Colored.		Under 3 months.	3 to 6 months.	6 months and over.	
January	7	....	3	1	11	8	3	11	5	4	2	11
February	5	1	3	....	9	7	2	9	6	3	.....	9
March	6	1	4	....	11	9	2	11	4	6	1	11
April	9	2	2	1	14	10	4	14	6	6	2	14
May	5	....	4	1	10	9	1	10	5	3	2	10
June	5	....	2	2	9	8	1	9	4	3	2	9
July	7	....	3	1	11	9	2	11	3	5	3	11
August	4	1	5	....	10	7	3	10	7	2	1	10
September	1	3	3	....	7	4	3	7	4	3	.....	7
October	4	1	4	2	11	8	3	11	6	4	1	11
November	5	1	2	1	9	8	1	9	3	5	1	9
December	8	1	1	1	11	8	3	11	5	4	2	11
Total	66	11	36	10	123	95	28	123	58	48	17	123

TABLE H.

Showing the Birthplace of Persons Committed to the Almshouse as Vagrants, &c., by Magistrates, from January 1st, 1891, to December 31st, 1891.

Natives.		Foreigners.	
Baltimore	38	Germany	14
Maryland	12	Ireland	18
New York	4	Poland	2
Pennsylvania	3	England	3
Virginia	11	Denmark	1
Louisiana	1	France	3
North Carolina	2	Russia	1
Ohio	1		
Georgia	2		
Delaware	1	Foreigners	42
Unknown	6	Natives	81
	81	Total	123

TABLE I.

Showing the Work Done by Inmates from January 1st, 1891, to December 31st, 1891, and its Approximate Value.

22,000	days labor, at $1.00	$22,000 00
2,500	" washing and ironing, at 50 cts.	1,250 00
2,112	" carpentering, at $1.50	3,168 00
800	" painting and glazing, at $1.50	1,200 00
300	" tinning, &c., at $1.50	450 00
150	" bricklaying, at $1.50	225 00
60	" plastering, at $1.50	90 00
1,232	" tailoring, at $1.50	1,848 00
939	" cobbling, at $1.50	1,408 50
626	" blacksmithing, at $1.50	939 00
3,981	shirts made, at 12 cents	477 72
1,823	undergarments made, at 15 cents	273 45
1,110	frocks made, at 30 cents	333 00
692	pairs drawers made, at 20 cents	138 40
35	pairs of stockings made, at 20 cents	7 00
649	aprons made, at 5 cents	32 45
32	infant slips made, at 10 cents	3 20
390	bed ticks made, at 15 cents	58 50
299	pillow cases made, at 15 cents	44 85
554	pillow ticks made, at 5 cents	27 70
507	bed sheets made, at 5 cents	25 35
7	window curtains made, at 10 cents	70
300	women's jackets made, at 20 cents	60 00
11	table covers made, at 5 cents	55
2,971	towels made, at 5 cents	148 55
275	slips made, at 20 cents	55 00
94	quilts made, at $1.50	141 00
50	spreads made, at 50 cents	25 00
63	mosquito nettings made, at 50 cents	31 50
	Total	$34,462 42

TABLE K.

Showing the Quantity of Clothing Issued to the Inmates from January 1st, 1891, to December 31st, 1891.

Date.	Pairs of Shoes and Slippers.	Shirts.	Pairs of Men's Hose.	Pantaloons.	Vests.	Jackets.	Coats.	Hats.	Aprons.	Flannel Shirts.	Slips.	Dresses.	Women's Stockings.	Drawers.	Under Garments.	Women's Josies & Jackets.
January.....	174	180	252	59	48	....	44	25	36	46	20	73	55	65	75	16
February	76	135	180	54	33	9	25	9	33	11	....	22	47	32	95	9
March	70	147	180	17	10	....	7	23	5	....	6	38	73	9	228	15
April.....	226	155	60	72	12	1	15	10	87	1	12	90	47	18	219	....
May	67	140	144	23	12	....	10	10	67	11	12	64	30	39	222	....
June	92	286	192	68	11	2	5	136	213	273	6	234	42	240	334	2
July.....	57	108	60	36	1	6	....	17	3	12	....	36	26	37	71	....
August	250	236	120	110	6	7	2	7	28	....	23	64	46	144	149	....
September ...	58	132	120	56	6	6	5	32	120	12	12	58	62	38	190	9
October	179	180	120	36	10	....	10	63	130	28	18	47	58	124	299	54
November....	47	174	120	90	58	....	59	24	58	12	15	47	60	24	121	30
December....	118	100	312	149	121	....	109	22	57	....	....	40	144	32	35	6
Total.....	1414	1973	1860	770	328	31	291	378	837	406	124	813	690	802	2038	141

TABLE L.

Showing the Number of Births and Deaths in each Month, also the Sex and Color, from January 1st, 1891, to December 31st, 1891.

Date—1891.	BIRTHS.					DEATHS, ADULTS.				DEATHS, CHILDREN				
	White Males.	White Females.	Colored Males.	Colored Females.	Total.	White Males	White Females.	Colored Males.	Colored Females.	White Males.	White Females.	Colored Males.	Colored Females.	Total.
January	..	1	..	..	1	10	4	1	1	..	..	1	2	19
February	..	..	..	..	..	6	4	5	3	..	..	..	..	18
March	..	..	..	..	..	10	5	3	2	..	..	..	..	20
April	..	1	..	..	1	4	7	4	1	..	1	..	1	18
May	..	..	..	..	..	9	4	4	1	..	..	..	..	18
June	..	1	..	..	1	2	..	1	4	..	..	..	..	7
July	..	..	..	..	..	10	1	4	3	..	..	..	..	18
August	..	..	..	..	..	6	4	5	4	..	..	..	..	19
September	..	..	1	1	2	5	3	1	..	..	1	..	..	10
October	..	..	..	..	..	3	3	3	..	..	..	..	..	9
November	..	..	..	..	..	9	10	2	3	..	..	..	..	24
December	..	..	..	..	..	21	8	..	4	..	..	..	..	33
Total	..	3	1	1	5	95	53	33	26	..	2	1	3	213

TABLE M.

Showing the Names, Quantity and Average Cost of Articles purchased for the Institution from January 1st, 1891, to December 31st, 1891.

A.

Apples, dried,	179 pounds,	at 3¾ cts. per lb.
Apples,	16 barrels,	at $1.75 per bbl.
Alcohol,	10 gallons,	at $2.37 per gal.
Axle grease,	194 pounds,	at 3½ cts. per lb.

B.

Brushes, shaving,	1 dozen,	at $1.25 per doz.
Brushes, dusting,	3 dozen,	at 5.33⅓ per doz.
Brushes, scrubbing,	15 dozen,	at 1.50 per doz.
Brushes, whitewash,	3 dozen,	at 13.50 per doz.
Brushes, deck scrubs,	1 dozen,	at 4.00 per doz.
Brushes, sweeping,	2 dozen,	at 9.00 per doz.
Brushes, paint,	1½ dozen,	at 42 cts. each.
Brushes, shoe,	1 dozen,	at $4.50 per doz.
Buckets, pulp,	11 dozen,	at 3.87½ per doz.
Butter,	4,701 lbs.,	at 19¾ cts. per lb.
Brooms, corn,	40 dozen,	at $2.75 per doz.
Brooms, street,	1½ dozen,	at 5.50 per doz.
Brooms, hickory,	10 dozen,	at 2.75 per doz.
Bricks, assorted,	117,500,	at 8.50 per M.
Buckwheat,	200 pounds,	at 2¾ cts. per lb.
Bedticking,	2,145½ yds.,	at 18¾ cts. per yd.

TABLE M—Continued.

Bacon, shoulders,	32,400 lbs.,	at $6\frac{5}{8}$ cts. per lb.
Bacon, shoulders, S. C.	3,151 lbs.,	at $7\frac{1}{2}$ cts. per lb.
Bacon, hams,	2,777 lbs.,	at 11 cts. per lb.
Beef, corned,	1,041 lbs.,	at $5\frac{1}{2}$ cts. per lb.
Beef, roast,	3,808 lbs.,	at 10 cts. per lb.
Beef, steak,	5,978 lbs.,	at 10 cts. per lb.
Beef, general house,	135,435 lbs.,	at $3\frac{7}{8}$ cts. per lb.
Beef, round,	3,722 lbs.,	at $6\frac{3}{4}$ cts. per lb.
Beans, white,	279 bushels,	at $1.55 per bush.
Brogans,	724 pairs,	at 1.25 per pair.

C.

Crackers, water,	1,919 lbs.,	at 7 cents per lb.
Crackers, soda,	422 pounds,	at 8 cents per lb.
Calico, for comforts,	$1,048\frac{1}{4}$ yds.,	at $8\frac{1}{2}$ cents per yd.
Candles,	90 pounds,	at $9\frac{1}{2}$ cents per lb.
Cheese,	61 pounds,	at 12 cents per lb.
Corn, starch,	840 pounds,	at 7 cents per lb.
Corn, meal,	5,000 lbs.,	at $1\frac{1}{2}$ cents per lb.
Corn, ear,	$350\frac{183}{350}$ lbs.,	at $2.78 per bbl.
Corn, chop,	24,300 lbs.,	at 1.24 per cwt.
Coal, Cumberland,	$1,624\frac{1374}{2240}$ tn.	at 3.30 per ton.
Coal, Sunbury,	$213\frac{1110}{2240}$ tons,	at 4.59 per ton.
Coffee, Java,	1,975 lbs.,	at 26 cents per lb.
Coffee, Rio,	8,481 lbs.,	at $18\frac{3}{4}$ cts. per lb.
Coffee essence,	1,669 lbs.,	at $4\frac{3}{4}$ cents per lb.
Crash,	225 yards,	at 14 cents per yd.
Covers (tray,)	6,	at 50 cts. each.

TABLE M—Continued.

Cakes, ginger,	1,131 lbs.,	at 6¾ cts. per lb.
Cakes, sugar,	557 pounds,	at 9½ cts. per lb.
Cakes, fancy,	95 pounds,	at 14 cts. per lb.
Cement,	30 pounds,	at $1.30 per bbl.
Chamois skin,	2,	at 60 cents each.
Charcoal,	267 bags,	at 40 cts. per bag.
Collars, horse,	2,	at $3.50 each.
Combs, dressing,	12 dozen,	at 60 cts. per doz.
Combs, fine tooth,	18 dozen,	at 60 cts. per doz.
Cotton waste,	45 pounds,	at 10¾ cts. per lb.
Cotton batts,	250 pounds,	at 13½ cts. per lb.
Construction account,		$3,504.61.
Clothing, men's ready-made,		689.00.

D.

Dress goods, calico,	521¾ yards,	at 10½ cts. per yd.
Domestic plaid,	2,030 yards,	at 11½ cts. per yd.
Drugs (per contract,)		$2,591.76.
Dress,	1,	5.28.
Damask,	15 yards,	at 50 cts. per yd.

E.

Engineer's stores and repairs,	$1,121.27.

F.

Flannel for lining,	386¾ yards,	at 27½ cts. per yd.
Flannel, canton,	533¾ yards,	at 12 cts. per yd.

TABLE M—Continued.

Flannel, red,	132¼ yards,	at 37½ cts. per yd.
Flour, family,	58 bbls.,	at $6 per bbl.
Flour, extra,	1,631 bbls.,	at 4.18 per bbl.
Flannel for skirting,	973¼ yards,	at 18 cts. per yd.
Files, assorted,	6¾ dozen,	at 50 cts. per doz.
Furniture, &c.,		$612.96.
Farm account,		606.78.

G.

Glass, window,	13 boxes,	at $2.40 per box.
Glass and queensware,		$110.84.
Glue,	15 lbs.,	at 18 cts. per lb.
Grain, feed,	3,708½ lbs.,	at 8 cts. per lb.

H.

Hose, women's,	57½ dozen,	at $1.11¼ per doz.
Hose, men's,	155 dozen,	at 83⅓ cts. per doz.
Hops,	135 pounds,	at 45½ cts. per lb.
Hay,	$46\frac{845}{2000}$ tons,	at $13.20 per ton.
Hominy,	2,000 lbs.,	at $1.75 per cwt.
Hardware,		$417.37.
Harness and repairs,		57.45.
Herrings, salt,	19 barrels,	at $5.64.
Herrings, fresh,	4,500 lbs.,	at 40 cts. per cwt.
Hats, assorted,	31½ dozen,	at $2.33½ per doz.
Handkerchiefs,	9 dozen,	at 85 cts. per doz.
Hollands,	12½ yards,	at 47½ cts. per yd.

TABLE M—Continued.

I.

Ice,	$51\frac{695}{2000}$ tons,	at $3.00 per ton.

L.

Leather, sole,	663 pounds,	at 29 cts. per lb.
Leather, calfskins,	$11\frac{1}{2}$	at $2.60 each.
Lard,	2,499 lbs.,	at $7\frac{3}{4}$ cts. per lb.
Lime,	150 bushels,	at $33\frac{1}{3}$ cts. per bus.
Lime, chloride of,	2,088 lbs.,	at 4 cts. per lb.
Lumber, assorted,		$2,074.97.
Lead, white,	1,050 lbs.,	at 7 cts. per lb.
Lye, concentrated,	1 box,	$2.35.
Live stock (exchange of cows),		15.00.

M.

Muslin, striped shirting	2,725¼ yds.,	at 8¾ cts. per yd.
Muslin, white,	1,017¾ yds.,	at 21¼ cts. per yd.
Muslin, brown,	7,933 yds.,	at 6¾ cts. per yd.
Men's wear,	1,834¾ yds.,	at 38¼ cts. per yd.
Mosquito netting,	8 pieces,	at 55 cts. per pc.
Matches,	120 gross,	at $68\frac{1}{3}$ cts. per gr.
Malt, ground,	$7\frac{1}{2}$ bushels,	at $1.20 per bus.
Mutton,	20,200 lbs.,	at $3.28 per cwt.
Mutton and chops,	1,432 lbs.,	at $9\frac{1}{2}$ cts. per lb.
Molasses,	$678\frac{1}{2}$ gallons,	at 26 cts. per gal.
Middlings,	$24\frac{557}{2000}$ tons,	at $23.92 per ton.
Meal, flaxseed,	100 pounds,	at $2.00 per cwt.
Miscellaneous,		$5,567.02.

TABLE M—Continued.

N.

Notions,		273.43.
Nails, cut,	15 kegs,	at $2.15 per keg.

O.

Oatmeal,	6 barrels,	at 5.65 per bbl.
Oats,	929$\frac{25}{32}$ bus.,	at 53½ cts. per bu.
Oil, lard,	201 gallons,	at 55 cts. per gal.
Oil, gasoline,	342 barrels,	at $6.08 per bbl.

P.

Posts, cedar,	57,	at 80 cents each.
Pies,	2,300,	at 6 cents each.
Paints,		$259.98.
Putty,	150 pounds,	at 3 cents per lb.
Potatoes,	1,873$\frac{20}{60}$ bus.,	at 78 cts. per bu.
Pork, corned,	74 pounds,	at 8 cents per lb.
Plaster, ground,	1 ton,	at $ 8.50 per ton.
Phosphates, S. H.,	1 ton,	at 28.60 per ton.

R.

Rice,	4,133 lbs.,	at 6 cents per lb.
Repairs in general,		$3,297.28.

TABLE M—Continued.

S.

Slip stuff,	1,388¼ yards,	at 19 cts. per yd.
Spectacles,	7 dozen,	at $2.50 per doz.
Starch, laundry,	480 pounds,	at 4½ cents per lb.
Spoons, tinned iron,	8 gross,	at $2.62 per gross.
Soap, ivory,	1 box,	at 4.50.
Soap, M. & L.,	10,000 lbs.,	at 3½ cents per lb.
Soap, white,	8,682 lbs.,	at 5½ cents per lb.
Shoe laces,	15 gross,	at 40 cts. per gr.
Shoe laces, leather,	16 gross,	at 60 cts. per gr.
Shovels, scoop,	½ dozen,	at $7.68 per doz.
Salt, fine,	174 bushels,	at 42¾ cts. per bu.
Salt, G. A.,	132 bushels,	at 23¾ cts. per bu.
Straw, wheat,	63$\frac{1}{2}\frac{2}{0}\frac{4}{0}\frac{0}{0}$ tons,	at $10 per ton.
Straw, oat,	1$\frac{1}{2}\frac{4}{0}\frac{0}{0}\frac{0}{0}$ ton,	at $9 per ton.
Solder,	72¾ pounds,	at 14 cents per lb.
Shoe findings,		$11.83.
Sugar, brown,	19,070 lbs.,	at 4¼ cts. per lb.
Sugar, white,	8,954 lbs.,	at 4¾ cts. per lb.
Shoe blacking,	3 dozen,	at 50 cts. per doz.
Slippers, men's,	120 pairs,	at 75 cts. per pair.
Slippers, women's,	96 pairs,	at 65 cts. per pair.
Shoeing and repairs,		$417.28.
Stoves and pipes,		50.48.
Spices,		112.29.
Sal soda,	750 lbs.,	at 1¼ cts. per lb.
Seed, garden,		$74.70.

TABLE M—Continued.

Surgical instruments,		297.83.
Suspenders,	6 dozen,	at $2 per dozen.

T.

Turnips,	276 bushels,	at 10 cts. per bu.
Towels,	3 dozen,	at $3 per dozen.
Tin plates,	7 boxes,	at $7.66 per box.
Tobacco,	4,232 lbs.,	at 24 cts. per lb.
Tea, G. P.,	175 lbs.,	at 50 cts. per lb.
Tea, imperial and black,	1,520 lbs.,	at 30 cts. per lb.
Tinware, &c.,		$104.39.

V.

Vinegar,	277½ gallons,	at 11 cts. per gal.

W.

Whiskey, dispensary,	376½ gallons,	at $1.85 per gal.
Wood, pine,	22 cords,	at $3.50 per cord.

Y.

Yeast powder,	3½ gross,	at $4 per gross.

Report of the Engineer.

BAYVIEW ASYLUM, January 1st, 1892.

To the Honorable Board of Trustees.

GENTLEMEN:

I herewith present my Annual Report as Engineer of this institution, for the year ending December 31st, 1891.

I am, gentlemen,

Very respectfully,

WILLIAM KAISER,

Engineer.

Total Amount of Georges Creek Coal consumed, and by what Department of the Institution.

Departments.	Lbs.	Tons.	Lbs.
Tubular boilers	3,862,610	1,724	850
Blacksmith shop	9,560	4	600
	3,872,170	1,728	1,450

Total amount of Sunbury Coal consumed, and by what Department of the Institution.

Departments.	Lbs.	Tons.	Lbs.
Centre house kitchen	89,360	39	2,000
Matron's kitchen	51,080	22	1,800
Ironing room	32,860	14	1,500
Bake house	81,140	36	500
Pest hospitals	102,900	45	2,100
Insane hospitals	56,800	25	800
Main gate	12,400	5	1,200
East gate	8,620	3	1,900
West gate	6,820	3	100
Carpenter shop	9,660	4	700
	451,640	196	12,600

Georges Creek coal on hand Dec. 31st, 1891... 75 tons
Sunbury coal on hand Dec. 31st, 1891.....106 tons.

Report of the Gardener.

BAY VIEW ASYLUM, January 1st, 1892.

To the Honorable Board of Trustees.

GENTLEMEN:

Permit me most respectfully to present this, my Annual Report as Gardener of the Institution, for the year ending December 31st, 1891.

Very respectfully,

JOHN F. BARRANGER,

Gardener.

Articles.	Bush.	Doz.	Bunch	Lbs.	Gal.	Tons.	No. of	Prices	Amount.
Cabbage							8,346	$3 00	$250 38
Tomatoes	1,052							25	263 00
Egg Plant							258	2	5 16
Potatoes	760							50	380 00
Asparagus			175					10	17 50
Cymblings		171						5	8 55
Turnips	1,247							40	498 80
Carrots	222							1 00	222 00
Parsnips	377							60	226 20
Celery			2,730					10	273 00
Lard				1,017				5	50 85
Pickles							800	15	1 20
Radishes			320					4	12 80
Green Peas	200							50	100 00
String Beans	311							50	155 50
Leeks			4,480					3	134 40
Parsley			615					1	6 15
Lettuce							352	6	21 12
Onions (spring)			4,651					3	139 53
Onions	359							1 00	359 00

Onion (setts)	40							5 00	200 00
Brocoli	164							40	65 60
Thyme			1,030					1	10 30
Sage			444					2	8 88
Lima Beans	113							1 00	113 00
Beets			1,986					2	39 72
Peppers	25							1 00	25 00
Oyster Plant			264					4	10 56
Cabbage Sprouts	325							30	97 50
Kale Sprouts	218							30	65 40
Gumbo	47							1 00	47 00
Horse Radish							127 stks	10	12 70
Clover Hay						3		9 00	27 00
Timothy Hay						10		10 00	100 00
Oat Straw						3		9 00	27 00
Pork				6,200				5	310 00
Pigs							65	2 13	138 45
Calves				130			1	5	6 50
Sand							350	50	175 00
Ice						100		3 00	300 00
Butter				2,471				25	617 75
Milk					18,321			16	2,931 36
Eggs		1,013						18	182 34
Total									$8,636 30

Report of the Baker.

BAY VIEW ASYLUM, January 1st, 1892.

To the Honorable Board of Trustees.

GENTLEMEN:

I herewith present this, my Annual Report, as Baker of the Institution, for the year ending December 31st, 1891.

Very respectfully,

CHARLES JONES, *Baker.*

Flour received		1,725 bbls.
Loaves of bread baked	432,896	
Loaves of bread on hand January 1st, 1891	954	
	433,850	
Loaves of bread sent to store-room	432,203	
On hand January 1st, 1892	1,647	
Weight of bread baked		542,312 lbs. 8 oz.
Average weight of each loaf		1 lb. 4 oz.

REPORT

OF THE

MEDICAL AND SURGICAL DEPARTMENTS.

Bay View Hospital.

Resident Physicians.

Standish McCleary, M. D. Henry B. Wilson, M. D.

Assistant Resident Physicians.

Melvin S. Rosenthal, M.D. Wilbur L. Walraven, M.D.

Visiting Staff.

Physicians.

Thomas S. Latimer, M.D. Joseph T. Smith, M.D.
George H. Rohe, M.D. William J. Jones, M.D.
George J. Preston, M.D. H. J. Berkley, M.D.
F. C. Bressler, M.D. Wm. B. Canfield, M.D.
C. Hampson Jones, M. D.

Surgeons.

Walter B. Platt, M. D., F. R. C. S.
Charles F. Bevan, M. D. R. B. Warfield, M. D.
J. W. Chambers, M. D. J. Holmes Smith, M. D.
J. H. Branham, M. D. John G. Jay, M. D.
L. F. Ankrim, M. D.

Obstetrician.

J. Edwin Michael, M. D.

Gynæcologist.

Thomas Opie, M. D.

Pathologists.

Charles W. Mitchell, M. D. N. G. Kierle, M. D.

Report of Resident Physicians.

BAYVIEW ASYLUM, January 1st, 1892.

To the Honorable Board of Trustees.

GENTLEMEN:

The following is respectfully presented as the Report of the Medical and Surgical Departments of this Institution, for the year ending December 31st, 1891.

By the annexed tabular statement it will be seen there were treated from January 1st, 1891, to January 1st, 1892, inclusive, 2,710 cases, an excess over the previous year of 967. Large as this number is, it does not include some thousands of cases treated in the chronic wards, sleeping rooms and dispensary, which, while more or less severe, do not merit actual hospital treatment. During the past year the prevalence of the Influenza has caused a large increase in ward cases and the mortality has been great among the aged, who were unable to withstand the depressing influence of the disease. The large increase in the number of chronics in the institution will necessitate additional and more suitable accommodations for them. Many of these old people, while not actually bed-ridden, are just able to move around, and to place them in the upper stories of the buildings, as is now necessary, is hardly

favorable to their comfort or welfare. No startling innovations are to be reported and yet there is a spirit of improvement pervading the house. To this is due the appointment of Assistant Resident Physicians whose primary duties will be to see that the Medical Records are accurately kept. This meets with our hearty approval, and the institution is to be congratulated on the addition to its staff.

The visiting staff have attended to their duties with fidelity and zeal, and to them, to the Superintendent and the Officers of the Asylum, we are grateful for their courtesy.

We desire in conclusion to offer our thanks to you, gentlemen, the President and Board of Trustees, for your uniform kindness and support in our work.

Very respectfully,

STANDISH McCLEARY,

HENRY B. WILSON.

TABULAR STATEMENT—MEDICAL

Of cases treated in the Hospital Wards of Bay View Asylum during the year ending December 31st, 1891.

Diseases.	Treated.	Discharged.				Remaining December 31, 1891.
		Cured.	Improved.	Unimproved.	Died.	
Diseases—General.						
A.						
Anæmia, idiopathic	1	....	....	....	1	....
" simple	12	12	....	....	....	....
" symptomatic	3	3	....	....	....	....
Erysipelas, facial	8	8	....	....	....	....
" leg	10	10	....	....	....	....
" cellulo-cutaneous	1	....	....	....	1	....
Fever, ephemeral	3	3	....	....	....	....
" intermittent	84	78	....	....	....	6
" typhoid	21	15	....	....	6	....
Malarial cachexia	15	15	....	....	....	....
B.						
Alcoholism	42	42	....	....	....	....
Colica, pictonum	1	1	....	....	....	....
Delirium tremens	11	11	....	....	....	....
Malingerer	16	16	....	....	....	....

TABULAR STATEMENT—Continued.

Diseases.	Treated.	Discharged.				Remaining December 31, 1891.
		Cured.	Improved.	Unimproved.	Died.	
Rheumatism, articular...	42	31	....	6	....	5
" chronic....	75	....	21	54	...	....
Hodgkin's disease.....	1	....	....	....	1	....
Phthisis, pulmonalis.....	174	....	121	2	31	20
Ptyalism.....	9	9	....	....	....	....
Senility.....	32	....	....	26	3	3
Diseases of the Circulatory System.						
Aneurism, aortic.....	1	....	....	1	....	....
" abdominal....	1	....	....	....	....	1
" innominate....	1	....	....	1	....	....
" carotid.....	1	....	....	1	....	....
Angina pectoris.....	3	....	1	....	2	....
Arterio, sclerois, general.	2	....	1	....	1	....
Endo-Carditis.....	2	....	....	....	2	....
Heart, aortic stenosis....	18	....	15	2	1	....
" " regurgitation	11	....	11	....	....	....
" mitral stenosis....	24	....	14	4	4	2
" " regurgitation	44	....	34	1	5	4
" tricuspid.....	2	....	1	....	1	....
" fatty.....	4	....	....	....	4	....
" myocarditis	1	....	1	....	....	....

TABULAR STATEMENT—Continued.

Diseases.	Treated.	Discharged.				Remaining December 31, 1891.
		Cured.	Improved.	Unimproved.	Died.	
Diseases of the Respiratory System.						
Aphonia	11	9	2	....	....	....
Asthma	23	....	21	....	....	2
Bronchitis, acute	65	59	....	....	....	6
" chronic	34	....	29	5	....	6
Emphysema	15	....	15	....	....	....
Influenza	44	30	....	....	3	11
Laryngitis	12	12	....	....	....	....
Pleuritis, acute	22	16	....	....	....	6
" chronic	2	....	1	1	....	....
Pneumonia, catarrhal	3	2	....	....	1	....
" lobar	42	22	....	....	15	5
Pyo-pneumothorax	1	....	....	....	1	....
Diseases of the Digestive System.						
Calculi, hepatic	2	2	....	....	....	....
Cirrhosis, liver	5	....	4	....	....	1
Cholera-morbus	20	20	....	....	....	....
Constipation	16	12	4	....	....	....
Diarrhœa, acute	46	42	....	....	4	....
" chronic	15	....	10	3	....	2

TABULAR STATEMENT—Continued.

Diseases.	Treated.	Discharged.				Remaining December 31, 1891.
		Cured.	Improved.	Unimproved.	Died.	
Diarrhœa, tubercular	1	....	....	....	1	....
Dyspepsia	5	....	5	....	....	....
Dysentery, acute	6	4	....	....	2	....
" chronic	2	....	2	....	....	....
Gastritis, alcoholic	11	11	....	....	....	....
" simple	15	15	....	....	....	....
Gastro, duodenitis	1	1	....	....	....	....
Peritonitis, acute miliary.	1	....	....	....	1	....
" tubercular	3	....	....	....	3	....
Stomatitis, apothous	3	3	....	....	....	....
" ulcerated	9	9	....	....	....	....
Ulcer, stomach	1	1	....	....	....	....
Diseases of the Fauces and Palate.						
Pharyngitis	19	19	....	....	....	....
Tonsilitis	12	12	....	....	....	....
" follicular	8	8	....	....	....	....
" ulcerated	3	3	....	....	....	....
Diseases of the Cutaneous System.						
Bromidrosis	4	2	1	1	....	....
Dermatitis, exfoliativa acute	1	1	....	....	....	....

TABULAR STATEMENT—Continued.

Diseases.	Treated.	Discharged.				Remaining December 31, 1891.
		Cured.	Improved.	Unimproved.	Died.	
Dermatitis medicamentosa	3	3	....	....	....	....
Dermatitis, venenata	6	6	....	....	....	....
Eczema, acute	28	28	....	....	....	....
" chronic	23	....	20	....	....	3
Herpes, zoster	3	3	....	....	....	....
Pediculosis corporis	6	6	....	....	....	....
" pubis	4	4	....	....	....	....
Psoriasis, specific	8	....	8	....	....	....
" vulgaris	10	10	....	....	....	....
Scabies	7	5	2	....	....	....
Tinea, tonsurans	2	1	1	....	....	...
Tinea, versicolor	8	....	5	3	....	....
Urticaria	6	6	....	....	....	....
Vaginitis, simple	2	2	....	....	....	....
" specific	6	4	2	....	....	....
Vulvitus	2	1	....	....	....	1
Diseases of the Urinary System.						
Bright's Disease, acute	15	6	....	....	7	2
" " chronic	24	....	15	....	9	....
Cystitis	19	6	13	....	....	....
Diabetes, insipidus	1	....	1	....	....	....
" mellitus	3	....	1	1	....	1
Enuresis	5	2	1	2	....	....

TABULAR STATEMENT—Continued.

Diseases.	Treated.	Discharged.				Remaining December 31, 1891.
		Cured.	Improved.	Unimproved.	Died.	
Hæmaturia	2	2	....	....	....	....
Hemorrhage, cerebral	3	....	....	....	3	....
" spinal meningeal	1	....	1	....	....	....
Jaundice, catarrhal	3	3	....	....	....	....
Diseases of the Ear.						
Cerumen, impacted	6	6	....	....	....	....
Otitis, external	12	12	....	....	....	....
" media	4	4	....	....	....	....
Polypus, aural	1	1	....	....	....	....
Diseases of the Eye.						
Blephoritis, marginalis	18	18	....	....	....	....
Conjunctivitis, simple	17	17	....	....	....	....
Glaucoma	3	1	....	1	....	1
Iritis	24	24	....	....	....	....
Iris, prolapsus	1	....	....	....	....	1
Keratitis	16	16	....	....	....	....
Ulcer, corneal	8	8	....	....	....	....
Diseases of the Nervous System.						
Atrophy, progressive muscular	1	....	....	....	1	....

TABULAR STATEMENT—Continued.

Diseases.	Treated.	Discharged.				Remaining December 31, 1891.
		Cured.	Improved.	Unimproved.	Died.	
Chorea	1	....	....	1	....	....
Congestion, brain	1	....	....	....	1	....
Cysticercus, cellulosæ	1	....	....	1	....	....
Dementia, senile	7	....	....	4	1	2
Epilepsy	26	....	5	19	....	2
Hemiplegia	29	....	18	2	7	2
Hypochondriasis	6	....	4	2	....	....
Hysteria	12	....	5	7	....	....
Lumbago	22	22	....	....	....	....
Mania, acute	5	....	1	4	....	....
Melancholia	5	....	2	3	....	....
Meningitis, cerebro spinal	2	....	....	....	1	1
Myalgia	14	14	....	....	....	....
Myelitis, sub acute	1	....	....	1	....	....
" disseminated	1	....	....	....	1	....
" transverse	1	....	....	....	1	....
Neuralgia	17	17	....	....	....	....
" intercostal	9	9	....	....	....	....
Neurasthenia	2	....	1	1	....	....
Neuritis, acute	6	6	....	....	....	....
" multiple	1	....	1	....	....	....
" peripheral	1	....	....	....	....	1
Nystagmus	2	....	....	2	....	....
Opium habit	3	....	3	....	....	....
Paralysis, agitans	1	....	....	1	....	....
" Bell's	3	....	3	....	....	....

TABULAR STATEMENT—Concluded.

Diseases.	Treated.	Discharged.				Remaining December 31, 1891.
		Cured.	Improved.	Unimproved.	Died.	
Paralysis, crutch	1	1	....	....	....	....
Pleurodynia	3	3	....	....	....	....
Porencephalgia	1	....	....	....	....	1
Sciatica	16	12	3	....	....	1
Sclerosis, lateral	3	....	....	1	1	1
" cerebro spinal	1	....	....	1	....	....
" posterio spinal	2	....	....	2	....	....
Tic douloureux	3	1	2	....	....	....
Thomson's disease	1	....	1	....	....	....
Diseases of Women.						
Abortion	1	1	....	....	....	....
Dysmenorrhœa	3	3	....	....	....	....
Endocervicitis	3	1	2	....	....	....
Mastitis, suppurating	1	1	....	....	....	....
Metrorrhagia	2	2	....	....	....	....
Menorrhagia	3	3	....	....	....	....
Phlegmasia, alba dolens	1	....	1	....	....	....
Pregnancy	18	13	....	....	....	5
Salpingitis	1	1	....	....	....	....
Uterus procidentia	2	....	....	2	....	....
" polypus	1	1	....	....	....	....
" retroflexion	1	....	1	....	....	....
" retroversion	2	....	1	1	....	....
Total medical diseases	1718	875	438	168	129	106

TABULAR STATEMENT—SURGICAL

Of the Surgical Operations Performed During the Year Ending December 31st, 1891.

Surgical Diseases.	Treated.	Discharged.				Remaining Dec. 31, 1891.	Operations.
		Cured.	Improved.	Unimproved.	Died.		
Venereal Diseases.							
Balino posthitis	8	8	....	....	....	....	None.
Blennorrhœa	8	8	....	....	....	....	"
Bubo	90	85	....	....	....	5	Excision, 27.
Chancroids	87	80	....	....	....	7	None.
" phagedenic	11	8	....	....	....	3	Cauterization.
Epididymitis	14	14	....	....	....	....	None.
Gonorrhœa	46	46	....	....	....	....	"
Inguinal glands, suppurating	4	4	....	....	....	....	Excision.

TABULAR STATEMENT—Continued.

Surgical Diseases.	Treated.	Discharged.				Remaining Dec. 31, 1891.	Operations.
		Cured.	Improved.	Unimproved.	Died.		
Orchitis	14	10	2	....	....	2	None.
Paraphimosis	6	6	....	....	...	....	Incision.
Phimosis	25	23	....	....	....	2	Circumcision.
Stricture urethra	21	5	10	4	....	2	Internal urethrotomy.
Syphilis	152	....	91	49	....	12	None.
" cerebral	3	....	2	....	1	....	"
Warts venereal	9	9	....	....	....	....	Excision, 3.
Injuries.							
Burns	14	14	....	....	....	....	None.
Concussion, spine	1	....	1	....	....	....	"
Contusions	8	8	....	....	....	....	"
Dislocation, clavicle	2	2	....	....	....	....	"

Dislocation, cervical vertebræ	1	....	....	....	....	1	None.
" hip	1	1	....	....	....	....	"
" patella	1	....	....	1	....	....	"
" shoulder	1	1	....	....	....	....	"
" wrist	1	1	....	....	....	....	"
Fracture, clavicle	1	1	....	....	....	....	"
" femur, neck	1	1	....	....	....	....	"
" " impacted	1	1	....	....	....	....	"
" " shaft	2	2	....	....	....	....	"
" humerus	1	1	....	....	....	....	"
" olecranon	2	2	....	....	....	....	"
" ribs	15	13	....	....	....	2	"
Frostbite	6	6	....	....	....	....	"
Oyster hand	19	19	.	....	....	....	Incision, 12.
Old sutures of cervix	1	1	....	....	....	....	Removal.
Sprain, ankle	18	16	....	....	....	2	None.
" hip	5	5	....	....	....	....	"
" knee	6	6	....	....	....	....	"
" muscle	2	2	....	....	....	....	"
" shoulder	3	3	....	....	....	....	"
" wrist	2	2	....	....	....	....	"
Wounds, contused	24	22	....	....	....	2	"
" incised	13	13	....	....	....	....	"
" lacerated	15	15	....	....	....	....	"
" punctured	7	7	....	....	....	....	"
" scalp	3	3	....	....	....	....	"

TABULAR STATEMENT—Continued.

Surgical Diseases.	Treated.	Discharged.				Remaining Dec. 31, 1891.	Operations.
		Cured.	Improved.	Unimproved.	Died.		
Unclassified.							
Abscess, arm	2	2	....	....	....	....	Incision.
" axillary	5	5	....	....	....	....	" 3.
" brain	1	....	....	....	1	....	None.
" buccal	3	3	....	....	....	....	"
" cervical	5	5	....	....	....	....	Incision.
" foot	2	2	....	....	....	....	None.
" hand	6	6	....	....	....	....	Incision.
" gluteal	4	4	....	....	....	....	"
" labial	2	2	....	....	....	....	Excision.
" lumbar	3	3	....	....	....	....	Incision.

Abscess, mammary	1	1	....	....	....	....	Incision.
" peri-urethral	11	11	....	....	....	....	None.
" peri-rectal	2	1	....	....	1	....	Incision, 1.
" sacral	2	2	....	....	....	....	None.
" spinal	3	2	....	....	....	1	Incision.
" tongue	1	1	....	....	..	....	Excision.
Anchylosis, hip	1	....	....	1	....	....	None.
" knee	1	....	....	1	....	....	"
Arthritis-deformans	7	....	7	....	....	....	"
Bursitis prepatellæ	11	11	....	....	....	....	Incision, 7.
Carcinoma, liver, spleen and mesenteric	1	....	....	....	1	....	None.
Carcinoma, inguinal region	1	....	....	....	1	....	"
" rectum	1	....	....	....	....	1	"
" uterus	1	....	....	....	....	1	"
Cellulitis, hand	25	25	....	....	....	....	Incision, 19.
Coxalgia	2	....	1	1	....	....	None.
Elephantiasis leg	1	....	....	....	...	1	"
Epithelioma nose	1	1	....	....	....	....	Excision.
Fistula in ano	3	1	1	....	....	1	Incision.
" urethral	1	....	....	1	....	....	None.
Furunculosis	13	13	....	....	....	....	"
Hæmatoma leg	1	1	....	....	....	....	Incision.
Hemorrhoids	8	4	....	4	....	....	Radical operation, 4.
Hernia, inguinal	13	4	....	9	....	....	" " 4.

TABULAR STATEMENT—Concluded.

Surgical Diseases.	Treated.	Discharged.				Remaining Dec. 31, 1891.	Operations.
		Cured.	Improved.	Unimproved.	Died.		
Hernia, femoral	1	....	....	....	....	1	None.
" lumbar	1	....	....	1	....	....	"
" ventral	1	....	....	1	....	....	"
" strangulated	9	....	....	9	....	....	"
Hydrocele	5	....	5	....	....	....	"
Intussusception	1	....	....	....	....	1	"
Necrosis, coccyx	1	....	....	1	....	....	"
" femur	1	....	....	....	....	1	Sequestrotomy.
Osteo-sarcoma-head	1	....	....	....	1	....	None.
Paronychia	9	8	....	....	....	1	Incision.
Periostitis of femur	2	2	....	....	....	....	"
Potts's disease	3	....	....	....	1	2	None.
Prolapsus rectum	1	....	....	1	....	....	"

Restoration of eyelid	1	1	....	....	....	....	Plastic operation.
Sebaceous cyst	1	1	....	....	....	....	Excision of Sac.
Severance of radial artery and nerve	1	....	....	....	....	1	Restoration.
Stricture, rectum	5	....	4	....	....	1	Dilatation.
Synovitis	10	3	7	....	....	....	None.
Toe incurvated	1	1	....	....	....	....	Amputation.
Tuberculous cervical glands	1	1	....	....	....	....	Excision.
Tuberculosis of knee	1	1	....	....	....	....	Resection.
" " ilium	1	....	....	....	....	1	Osteotomy.
Tumor of spinal cord	1	....	....	....	....	1	Excision.
Ulcer, leg	87	60	17	....	...	10	None.
" "	5	5	....	....	....	....	Skin grafting.
" "	1	1	....	....	....	....	Amputation.
Ulceration, stump	3	3	....	....	....	....	Excision, 2.
Varix	12	....	12	....	....	....	None.
Varicocele	5	....	....	5	....	....	"
Total surgical diseases	992	671	160	89	7	65	

RECAPITULATION.

Total ingress	2,710
Total egress	2,539
Remaining in hospital December 31st, 1891	171

REPORT

OF THE

Baltimore City Insane Hospital

FOR THE

YEAR ENDING DECEMBER 31, 1891.

REPORT.

To the President and Board of Trustees.

GENTLEMEN:

I have the honor to present to you the seventh (7th) annual report of the Baltimore City Insane Hospital for the year ending December 31st, 1891.

The general health of the patients has been good, notwithstanding the mortality is somewhat increased, which is explained by the unusually large number of old and decrepit cases admitted, which were in a dying condition when received into the Hospital, and also by the ravages made upon the system by long existing mental disease, causing the death of some of our old pioneer patients.

It was apprehended at one time that we were about to be threatened with an outbreak of typhoid fever, but appropriate prophylactic measures being immediately resorted to, no serious consequences followed.

This, together with a visitation from the prevailing influenza, were the only diseases approaching an epidemic nature that we have been troubled with. The latter, however, was of a mild form and was followed

by none of the disagreeable sequelæ so often seen in consequence.

During the year we have had no death by suicide. One white female child was born on the day the mother was admitted to the Hospital. Members of the Lunacy Commission have visited the Asylum twice.

The new building, which has been occupied about six months, has greatly relieved the overcrowded condition of the wards and affords the opportunity of a more scientific classification. It is populated by the acute cases and those which admit of a favorable termination. This building, together with the drying-house, now in the course of erection, will greatly add to the sanitary condition of the institution.

The patients are made to feel that they are among friends, and we endeavor to make the Hospital as homelike and cheerful as possible.

Harsh treatment, rough and abusive language are not permitted. A mutual attachment springs up between patient and attendant, and instances of abuse are extremely rare, and, indeed, not a single case of mal-treatment has come under my notice. In most instances force is found to be far inferior to moral persuasion.

Non-restraint is now universally accepted as being the most improved and rational mode of treatment, and also the one yielding the best results.

This method has been successfully tested by us for the past five years with the most gratifying effect.

Many of the insane are proud, capable of deep feeling and quick to perceive an insult; the shackles have a tendency to do away with their honor and self-respect, it is therefore resorted to only in extreme cases, such as self-mutilation, or when the security of others demands it.

Work is our great ally in the treatment of mental disease, and in many cases is more potent as a remedial factor than some of the medicinal agents, giving occupation to the mind, exercise to the body, acts as a sedative upon the nervous centres and promotes sleep.

The female patients make a great many of the garments used in the Hospital; they also assist in the mending, darning, laundry work, in the duties of the dining-room and other outside departments. It is rather more difficult to find occupation for the men, and it is to be deplored that our farm is not large enough to give them employment. They, however, assist in the repairs about the building, and of late have been engaged in grading and turfing the grounds around the annex.

Amusements are highly effective in diverting the mind from morbid self-contemplation and the patients are encouraged to participate in games, dancing, music and other innocent engaging devices.

The good effect of reading can hardly be overestimated. It is indulged in by many and greatly assists in varying the monotony of their routine life. And here let me acknowledge the receipt of and express my thanks to Drs. Remsen, Hurd and Berkley for the literature with which they have so liberaly supplied the institution and which has proved to be such a profitable pastime and source of enjoyment for the patients.

I also wish to express my appreciation and gratitude to Drs. Hurd and Berkley for their continued assistance and advice.

To our Superintendent, Captain Martini, I am indebted for his many acts of kindness and prompt attention to our respective needs.

It has been our misfortune to lose the services of my associate and colleague, Dr. Wm. E. Wright, who has been called to the State Lunatic Hospital, at Harrisburg, Pa. His resignation deprives the asylum of an efficient officer, and the patients of a kind and sympathizing friend.

In conclusion, gentlemen of the Board, accept my sincere thanks for your unvarying kindness, courtesy and constant support and co-operation in all matters calculated to advance the interest of the patients.

Respectfully submitted,

R. EDWARD GARRETT, M. D.

TABLE I.

General Statement for the Year 1891.

	White Males.	White Females.	Colored Males.	Colored Females.	Totals.
Number of patients present December 31st, 1890.....	139	133	19	46	337
Admitted from Baltimore.....	53	45	18	16	132
Transferred from Almshouse..	2	5	1	1	9
Total in Hospital during the year	194	183	38	63	478
Discharged during the year...	30	23	7	9	69
Transferred to Almshouse.....	3	2	....	1	6
Died.....	12	14	5	7	38
Total egress during the year.	45	39	12	17	113
Number of patients present December 31st, 1891.....	149	144	26	46	365
In Hospital twice during the year	1	3	2	2	8

TABLE II.

Time of Residence of those Discharged Otherwise than by Death.

	White Males.	White Females.	Colored Males.	Colored Females.	Totals.
One month or less....	11	6	3	2	22
Between 1 and 3 mos .	6	3	2	3	14
" 3 and 6 " ..	10	9	1	4	24
" 6 and 12 " ..	3	3	1	1	8
" 1 and 2 yrs.	2	3	..	..	5
Of 5 years.....	1	..	..	..	1
Of 8 years.....	..	1	..	..	1
Total discharged...	33	25	7	10	75

TABLE III.

Showing Monthly Admissions, Discharges, Deaths and Averages.

	Admitted.	Discharged.	Died.	Averages.
January	11	4	2	339.20
February	9	3	2	343.25
March	15	6	2	349.77
April	7	4	3	353.30
May	12	6	1	357.00
June	16	5	5	362 97
July	13	5	3	364.84
August	17	9	3	370.97
September	11	11	1	371.23
October	12	8	3	374.55
November	10	9	10	371.50
December	8	5	3	365.29
	141	75	38	

Average number of patients in hospital during the year	360.32
Highest number of patients in hospital during the year	378.00
Lowest number of patients in hospital during the year	335.00

TABLE IV.

Nativity of Patients.

Baltimore City	152
Maryland	110
Virginia	14
West Virginia	3
Alabama	1
Delaware	1
Kentucky	4
New Jersey	1
New York	4
North Carolina	2
District of Columbia	2
Pennsylvania	9
Ohio	1
Florida	1
Connecticut	1
Georgia	1
Canada	2
New Brunswick	1
Norway	1
Sweden	1
Denmark	1
Wales	1
England	9
Ireland	59
France	1
Germany	74
Switzerland	1
Austria	1
Australia	1
Russia	6
Bohemia	3
Poland	3
Unknown	7

TABLE V.

Showing Occupation of those in Hospital during the Year 1891.

Actor	1	Jeweler	1
Baker	4	Inventor	1
Barber	5	Lawyer	1
Blacksmith	4	Laundress	12
Book-binder	1	Machinist	3
Book-keeper	2	Merchant	8
Butcher	2	Midwife	1
Bar-tender	3	Musician	2
Basket-maker	2	Nurse	6
Brick-maker	2	Policeman	1
Brick-layer	4	Printer	3
Cooper	1	Peddler	7
Carpenter	8	Porter	3
Cabinet-maker	2	Salesman	4
Cigar-maker	7	Saleslady	2
Can-maker	2	Sail-maker	2
Clerk	14	Seamstress	17
Cook	15	Shoe-maker	11
Carpet-weaver	1	Stonemason	2
Domestic	57	Tinner	2
Dress-maker	8	Tailor	11
Hostler	3	Teamster	5
Druggist	2	Tanner	1
Farmer	11	Tramp	9
Gardener	3	Upholsterer	2
Harness-maker	2	Nothing	47
Housewife	58	Unknown	19

TABLE VI.

Showing Form of Mental Disease of those in the Hospital during the Year 1891.

Delirium, grave	2
Mania, acute	2
Mania, sub-acute	8
Mania, chronic	53
Mania, recurrent	19
Melancholia, acute	20
Melancholia, chronic	30
Paranoia	34
Dementia, acute	1
Dementia, terminal	138
Dementia, senile	28
Dementia, pseudo-alcoholic	2
Dementia, syphilitic	7
Dementia, paretic	4
Imbecility	47
Idiocy	21
Folie circulaire	3
Puerperal insanity	2
Hysterical insanity	3
Confusional insanity	4
Epileptic insanity	29
Post epileptic insanity	8
Alcoholic insanity	9
Not insane	2
Unclassified	2
Total	478

TABLE VII.

Showing Time of Residence of those who Died.

	White Males.	White Females.	Colored Males.	Colored Females.	Total.
One month or less....	1	2	..	..	3
Between 1 and 3 mos..	4	1	3	1	9
" 3 " 6 " ..	2	2	1	2	7
" 6 " 12 " ..	4	..	..	1	5
" 1 " 2 yrs..	..	2	..	1	3
" 2 " 4 " ..	1	..	1	1	3
Of 6 years.....	..	1	..	..	1
Of 8 years.....	..	..	..	1	1
Of 10 years.....	..	1	..	..	1
Of 19 years.....	..	1	..	..	1
Of 21 years.....	..	1	..	..	1
Of 23 years.....	..	1	..	..	1
Of 24 years.....	..	1	..	..	1
Of 38 years.....	..	1	..	..	1
Total of deaths....	12	14	5	7	38

TABLE VIII.

Showing Cause of Death of those who Died in the Institution during the Year.

	White Males.	White Females.	Colored Males.	Colored Females.	Total.
Aortic stenosis	..	1	..	..	1
Apoplectic coma	..	1	..	..	1
Arterial sclerosis	1	..	..	..	1
Bronchitis, acute	1	..	..	..	1
Cerebral syphilis	1	..	..	..	1
Chlorosis	..	1	..	..	1
Mammary carcinoma	..	..	..	1	1
Cirrhosis of liver	..	..	1	..	1
Diarrhœa, acute	1	..	1	..	2
Dysentery, acute	..	1	..	..	1
Exhaustion from delirium grave	1	..	..	..	1
Exhaustion from terminal dementia	..	2	..	..	2
Exhaustion from senile dementia	..	..	1	2	3
Mitral regurgitation	1	1	..	..	2
Meningitis, cerebro-spinal	1	..	..	..	1
Nephritis, chronic	..	..	..	1	1
Osteonecrosis	..	..	1	..	1
Old age	1	2	..	..	3
Pseudo-leucocythæmia	..	..	..	1	1
Pneumonia, acute	..	1	..	..	1
Pneumonia, hypostatic	1	..	..	..	1
Pulmonary œdema	..	1	..	..	1
Peritonitis	..	..	..	1	1
Status epilepticus	1	1	..	..	2
Septicæmia	..	..	1	..	1
Typhoid fever	..	2	..	..	2
Tuberculosis	2	..	..	..	2
Unknown	..	..	..	1	1
Total	12	14	5	7	38

TABLE IX.

Showing the Mental Disease of those who Died during the Year.

Delirium, grave	1
Mania, sub-acute	1
Mania, chronic	2
Melancholia, acute	2
Paranoia	1
Dementia, acute	1
Dementia, alcoholic	2
Dementia, syphilitic	2
Dementia, terminal	12
Dementia, senile	8
Dementia, paretic	2
Dementia, epileptic	1
Idiocy	3
Total	38

ANNUAL REPORT

—OF THE—

CITY SOLICITOR,

—TO THE—

MAYOR AND CITY COUNCIL OF BALTIMORE,

—FOR THE—

Fiscal Year Ending December 31st, 1891.

REPORT.

LAW DEPARTMENT—CITY HALL,

BALTIMORE, January 7th, 1892.

To the Honorable the Mayor and the
First and Second Branches of the City Council.

GENTLEMEN :

In accordance with the duty imposed upon the City Solicitor by Section 3 of Article XIII of the City Code, the following report of the Law Department for the year ending December 31st, 1891, is respectfully submitted.

The cases in the Court of Appeals, in the United States Courts and in Superior Court are under the charge of the City Counsellor, and in respect to the suits against the Mayor and City Council in those Courts I am advised as follows :

COURT OF APPEALS.

Ulman

vs.

The Mayor and City Council.

The motion for a re-argument in this case, which was pending on January 1st, 1891, was finally overruled, and under the decision which thus became absolute, it

was and is impossible under the existing laws and ordinances to collect the whole or any portion of the expense of paving, re-paving, etc., from the property holders. In order to meet the difficulty an ordinance was prepared by the law officers, under which it was believed that assessments in such cases could be made and collected, but although the same was introduced into the last Council early in the year, it was never reported from Committee. In addition to that ordinance some legislation was deemed advisable, and accordingly a bill has been prepared for presentation to the General Assembly. Should this be passed and an appropriate ordinance subsequently adopted, it is thought that no further trouble will arise in the assessment and collection of such share of the expense of paving, etc., as the Mayor and City Council may from time to time determine.

John T. Degner et al.

vs.

The Mayor and City Council.

This case involved the question of the payment of taxes by the Sheriff out of funds coming into his hands from the sales of property under attachment proceedings. It was decided in favor of the City.

The Mayor and City Council

vs.

Frederick Rice.

This was an appeal by the City from a decision of the Baltimore City Court, that the jury, in considering the amount of damages sustained by a tenant by the destruction of his brick-yard, might take into consideration the possibility of a renewal of his lease, although there was no agreement for such renewal. It was decided against the City, and established the principle that in ascertaining the damages of a tenant by the taking of the property, the jury may consider the possibility of the continuance of the tenancy.

Charles F. Pitts, Jr.,

vs.

The Mayor and City Council.

This was also a street case, and the question depended principally upon the construction and effect of a certain lease. It was decided in favor of Mr. Pitts, but involved no question of general interest.

Joseph Friedenwald

vs.

The Mayor and City Council.

This case involved the question of the right to consolidate street cases and try them before one jury. The Court of Appeals held that no such right existed, and that each appellant was entitled to his separate jury trial.

Jacob Schamberger

vs.

The Mayor and City Council.

This case is mentioned in my last report as pending in the Court of Appeals, but the appeal, although taken, was never prosecuted.

THE CIRCUIT COURT OF THE UNITED STATES.

Isaac S. Filbert

vs.

The Mayor and City Council.

This suit was brought in 1887 for alleged infringement of the Schillinger patent in laying cement pavements, a very large amount of which had been laid in the various public squares of the City, under the direction of the different square commissioners.

A similar suit had previously been brought and tried against a certain Gustav Garrell (who had also laid a number of pavements in the City squares), and the Court had decided that the pavements involved in that case were infringements of the above patent. An effort was made to distinguish the pavements involved in the suit against the City from those which the Court had already held to be an infringement, but the Court decided that the City had infringed. Testimony is now being taken before the Master to determine the extent of the infringement and the amount of damages to

which the plaintiff is entitled. As the decree of infringement was not technically a final decree, no appeal therefrom could be taken by the City at that stage of the case, but should the final decree be for any considerable sum, the City Counsellor will advise an appeal.

George W. Beard

vs.

The Mayor and City Council.

This suit was brought in 1886 for an alleged infringement of a patent for a sewer trap. It was tried during the past year and decided in favor of the City.

Peter Stuart

vs.

The Mayor and City Council.

This suit is for an alleged infringement of the patent for "Granolithic" pavement, it being claimed that the pavement laid by the City in Fell's Point Market was an infringement of that patent. Suit was brought at the same time against Thorman & Co., the contractors who laid the pavement. In the Thorman suit the Court in February last refused to grant a preliminary injunction, and since then the plaintiff has taken no further proceedings in either case. In this case the City holds a bond of indemnity from the contractors.

Brickill

vs.

The Mayor and City Council.

This was a suit brought during the past year for $100,000 damages for the alleged infringement of the Brickill patent for an improvement in feed water heaters for steam fire engines. The heater is an apparatus used in the Fire Department for the purpose of keeping constantly heated the water in the boiler of the engines, so that the engine may be ready for prompt use at all times; and it is claimed that the heaters used by the Fire Department for many years past have been infringements of the patent in question. The City Counsellor has filed a demurrer to the declaration, and the case is now waiting hearing on the demurrer.

SUPERIOR COURT.

State, Use of Terry,

vs.

The Mayor and City Council.

This was a suit for $25,000 damages for the death of Charles Terry, which it was alleged was caused by injuries received from a fall by reason of an unlawful obstruction on the sidewalk of Stockton street. The verdict was in favor of the City.

Koehler

vs.

The Mayor and City Council.

This was a suit for $1,000 damages for injuries to the plaintiff's property from flooding, alleged to have been caused by the negligence of the City in the matter of the opening of Collington avenue. The verdict was in favor of the City.

Shawker

vs.

Robert C. Davidson, Mayor.

This was a petition for a mandamus to compel the late Mayor to grant a permit under Ordinance No. 47, of 1888, for the use of flying horses as a public amusement.

It involved the question of whether the Mayor had any discretion in the matter of granting permits referred to in said ordinance, or whether he was compelled to grant the same to any person who applied for the same, and for any neighborhood, provided only that the license fee be paid. On the trial of the first suit the petition was dismissed. Soon after, in June last, a second petition of a similar character was filed, and the answer of the Mayor was filed thereto, but the case has not been pressed by the plaintiffs.

Stephens & Ebel

vs.

The Mayor and City Council.

This was a suit for $5,000 damages for the washing down of five houses in the course of construction on Wooster street, alleged to have been caused by an overflow resulting from the improper construction and want of repair of Schroeder's Run sewer. The verdict was in favor of the City. The plaintiffs have entered an appeal.

Gott

vs.

The Mayor and City Council.

This was a suit for $5,000 damages for personal injuries. It has been dismissed by the plaintiff.

State, Use of Dennis,

vs.

The Mayor and City Council.

This was a suit for $25,000 damages for the death of William J. Dennis, a laborer on the construction of Maryland Avenue sewer, who fell from a temporary bridge across Jones' falls, which was used in connection with the work on said sewer, and was drowned, during the high water of November 13th, 1889.

It was alleged that his death was due to negligence on the part of the City. The verdict was in favor of the City.

Murphy

vs.

The Mayor and City Council.

This was a suit brought for $15,000 damages for personal injuries.

The plaintiff, a lad of about 14 years, was riding along Mount Royal avenue, when his horse became frightened by something in the rear and ran against the barbed wire fence which enclosed one of the squares in the centre of that avenue, whereby the leg of the boy was very badly torn. The barbed wire fence had been placed around the square by direction of the commissioners of the square.

The Court held that the City was liable for the act of the commissioners, and the jury, finding that such a fence was dangerous to travel on the highway, gave the plaintiff a verdict for $2,000. The case is now under a motion on behalf of the City for a new trial. A suit by the father of the boy, for loss of services, expense of surgical attendance, etc., is still pending.

Hagner

vs.

The Mayor and City Council.

This was for a suit for $5,000 damages. During the construction of the Wolfe Street sewer by the City, a heavy gutter-box was placed by the foreman of a gang

on the sidewalk, and not being made sufficiently secure, the box, while some children in the neighborhood were playing on it, toppled over and fell upon the plaintiff, a little boy of about four years of age, who happened to be passing at the time, and broke his arm. The jury gave a verdict for $375. After the verdict a compromise was made, with the approval of the Mayor, whereby it was agreed that the suit of the boy should be entered satisfied and his father should also release all claim for damages on his part by reason of the injuries to his child, for the sum of $300. The verdict was accordingly abated, the father's release filed and judgment entered for $300, which has been paid and the proper entry made in the case.

There are fourteen cases now pending in the Superior Court against the City, but none of them require special mention at this time.

COURT OF COMMON PLEAS.

Ernest Pettig and Wife

vs.

The Mayor and City Council.

This was an action for damages for alleged injury to the premises of the plaintiffs, by the escape of water from No. 3 Engine House, and was substantially a renewal of a similar suit mentioned in my last report, in which the verdict and judgment were in favor of the City. It was tried before a jury with the same result.

William O. Bangert

vs.

The Mayor and City Council.

This was an action to recover $500 damages for injuries to the plaintiff's horse and wagon, sustained by reason of an excavation for water pipes upon Huntingdon avenue. An examination of the case convinced me that there was some merit in it, and it was accordingly settled for $50.

Walter W. Miller

vs.

The Mayor and City Council.

This was an action brought to recover damages for personal injuries sustained by the plaintiff by falling in Patterson Park, in consequence of a hole alleged to have been left improperly filled where a tree had been taken out. The verdict of the jury was for $100 damages, which were paid.

Wm. J. Young

vs.

John Waters et al.

This was an action brought by a prisoner at the City Jail against the late Warden and two of his deputies, for alleged assault and battery. The case was non prossed upon call.

Daniel Price

vs.

The Mayor and City Council.

This was an action to recover damages for injury to the plaintiff's horse and wagon, by reason of the defective condition of Huntingdon avenue. It appearing that the defect, if any, in the avenue, was caused by its change of grade by the Belt road, notice was given to that Company to defend the suit, and it was subsequently settled by it without expense to the Mayor and City Council.

Sixteen suits, which are still pending, have been brought against the Mayor and City Council in this Court during the past year, nearly all of them for damages alleged to have been sustained in various ways. In addition there are a number of old damages cases still upon its docket. Of the suits now pending and likely to be tried, the most important are six cases brought by William H. War and others, to recover damages for personal injuries sustained by the fall of an elevator, in which the plaintiffs were being lowered in a shaft of the Cross Street sewer, and it is charged that the City is responsible, both on account of defective machinery and the employment of an incompetent engineer.

BALTIMORE CITY COURT.

Michael F. Leonard

vs.

The Mayor and City Council.

This was an action to recover damages for the drowning of plaintiff's horse in consequence of an alleged defect in a public wharf, but upon trial the verdict was for the defendant.

Catherine Hyder

vs.

The Mayor and City Council et al.

This was an action to recover damages for personal injuries sustained by an alleged defect in the York Road turnpike, within the City limits, and involved very important questions as to the liability of the City for any defects in the several turnpikes entering the City. The case, however, was settled by the York Road Company without expense to the City.

The Mayor and City Council

vs.

The Chesapeake and Potomac Telephone Company.

This action was brought to recover the sum of $5,380 and interest, for four years' taxes due by said company, which amount, with interest and costs, was paid by the defendant before trial.

Anna E. Sheckles

vs.

The Mayor and City Council.

This action was brought to recover $3,000 damages for personal injuries sustained by the plaintiff in consequence of a defect in the crossing at Howard and Camden streets. The verdict of the jury was for $250, which has been paid and satisfied.

Lewis N. Hopkins, Collector,

vs.

Theodor G. Lurman et al.

This was an action brought for taxes upon the stock of goods of the defendants. The verdict was for an amount below the jurisdiction of the Court, and accordingly a non pros was entered.

The Mayor and City Council

vs.

The President, Managers and Company of the Falls Turnpike Road.

This was a petition for a mandamus to compel the company to repair its road, filed in pursuance of a resolution of the Mayor and City Council, directing the City Solicitor to take appropriate steps for that purpose. It resulted in a cession by the company to the Mayor and City Council of so much of its road bed as was within the present City limits.

The Mayor and City Council

vs.

The Baltimore Union Passenger Railway Company, and five other companies.

These suits were instituted to recover park tax from the several companies upon so much of their lines as are within the Annex, and are disputed by the companies upon the ground that they are only required to pay the park tax upon their receipts within the old City limits. The cases were brought in July last, but in consequence of the crowded condition of the dockets they have not yet been reached for trial.

Besides these cases there are fourteen suits and three appeals pending in this Court, most of them damage cases.

After the reversal by the Court of Appeals of the decision in the case of Friedenwald vs. the Mayor and City Council, the nineteen appeals from the assessment of benefits in the matter of the widening of East Baltimore street were disposed of promptly, so that no further legal delay was caused in that valuable improvememt. In addition ten other cases, involving Penn street, Durham street and Fayette street, were disposed of during the year with only one appeal to the Court of Appeals, viz: in the matter of Durham street. There was no material increase in any of the damages involved in the seven appeals in the widening

of Fayette street, and as there was no appeal taken to the Court of Appeals in any case, very little legal delay was caused in that improvement.

CIRCUIT COURT OF BALTIMORE CITY.

The Mayor and City Council and
John A. Robb, Register,

vs.

Robert E. Boyd et al.

This was a bill of interpleader filed by the City in consequence of conflicting claims presented for certain money and city stock, arising from the condemnation of property in the opening of Wells and Clagett streets. It is still pending.

Anton Textor

vs.

The Mayor and City Council et al.

This is a proceeding to remove the cloud of a tax sale and title from certain property. The Mayor and City Council have no substantial interest in the controversy, but an answer was filed on their behalf.

The Mayor and City Council

vs.

The Washington Automatic Gas-Light Company et al.

The bill in this case was filed for an injunction to restrain the defendants from removing the valves from

certain gasoline lamps at the time the new contractor took charge thereof. The injunction was granted, and the case was subsequently entered settled.

The Mayor and City Council

vs.

Conrad Heiler et al.

This was a bill of interpleader filed in consequence of the inability of the City to pay the damages for certain property condemned for the opening of Douglas street, with safety, because of the pendency of an ejectment suit therefor. The right to file such a bill and bring the money into Court was contested upon the ground that by the Constitution, private property cannot be taken for public use without compensation first paid or tendered to the owner, and it was argued that the City was bound to ascertain the owner at its peril, and make the payment or tender before taking the property. After argument, however, Judge Phelps passed a decree of interpleader, as prayed, and the money was immediately paid into Court, thus removing the last legal obstacle to the immediate opening of Douglas street.

L. Roberts Coates

vs.

The Mayor and City Council.

This was a bill filed for an injunction to restrain the City from taking possession of certain property in the

beds of Andre and Beason streets, upon the ground that the plaintiff was the owner of said property by an adversary possessory title, and that no compensation had been either paid or tendered to him. An answer was filed and testimony is now being taken in this case.

A number of petitions have been filed during the year in reference to claims for taxes, the collection of which by the Collector is prevented whenever the property has been ordered to be sold by a Court of Equity. There have also been several cases to which the City is a party, involving the transfer or redemption of City stock.

CIRCUIT COURT No. 2.

Wm. B. Coppersmith et al.

vs.

The Mayor and City Council.

This was a bill filed to require the City to make good to a trust estate $1,200 worth of City stock alleged to have been wrongfully transferred. After answer and testimony taken, the case was argued and the bill dismissed.

Eliza Lee

vs.

The Mayor and City Council et al.

An injunction was granted in this case to prevent the use of the plaintiff's lot, between Oak street and

the east end of the temporary bridge over Jones falls, north of North avenue, and in consequence thereof the City will be unable to make use of said lot until the Belt Road, which agreed to furnish the approaches to said bridge, shall settle with Mrs. Lee; or, until such interest as the City may require in said lot can be purchased or condemned.

Several other cases were instituted in this Court, some involving the establishment of grades in connection with the Belt Railroad, and some growing out of the litigation between the North Baltimore Passenger Railway Company and the North Avenue Railway Company, but none of them materially affect the interests of the City, although they require attention.

MISCELLANEOUS.

The City Solicitor has assisted in the prosecution of a number of persons in the Criminal Court, charged with violations of City Ordinances, but none of them were of sufficient importance to require mention here, except one which involved the validity of what was known as the Huckster Ordinance. Judge Wright decided that this ordinance, which required a license fee of twenty-five dollars from hucksters of vegetables and perishable articles upon the streets of the City, was void because it required a larger license than the City could impose under its police power of regulation, and as it was believed by both law officers that this decision would be sustained by the Court of Appeals, no appeal was prosecuted.

Thomas C. Chappell

vs.

The Mayor and City Council.

This is an action of ejectment now pending in the Circuit Court for Anne Arundel County, wherein the plaintiff claims the recovery of certain land in the possession of the City, at or near the Sea Wall, and $13,000 damages. This is a case of considerable importance to the City, and involves many interesting questions of law and fact.

The Mayor and City Council

vs.

Walter B. Brooks et al.

These were three cases tried together for the condemnation of certain property required by the Park Commissioners in connection with the widening of the Eutaw street entrance to Druid Hill Park, and the opening of a drive from the lake drive down to Mt. Royal avenue. The owners claimed the property to be worth $45,000 The jury, however, awarded $21,987 in the three cases, and the inquisitions have been ratified and the money paid.

Numerous opinions have been required and given upon a variety of questions arising during the year; many ordinances and bills for presentation to the General Assembly have been drawn, and almost daily

consultations held with the Mayor and Chief Executive Officers of the Departments.

Believing that public sentiment points unmistakably to the erection of a new Court House upon the lot bounded by Lexington, Calvert, Fayette and St. Paul streets, and as a considerable portion of that ground binding on Fayette street was surrendered and sold by the Commissioners for Opening Streets in the matter of the widening of Fayette street, it was deemed important to secure that ground to the City if possible. Any ordinance or resolution directing its purchase at the auction sale would most likely have resulted in very excessive bids on the part of owners and others interested in inflating the property ; and as no one was authorized to make such a purchase without an ordinance or resolution, a gentleman was found willing to make the purchases on his own responsibility and to give the City the benefit thereof if desired. Accordingly, Mr. John T. Carter purchased all the property sold by the Commissioners for Opening Streets, between St. Paul and Calvert streets, and executed to the Mayor and City Council an agreement to sell and assign his purchase of all interest therein to the Mayor and City Council at their option, for the same price paid by him for said property, together with the small bonus of $500. The aggregate purchase price was $132,000, subject to the benefits assessed upon the property for the widening of Fayette street. The City thus has the option at its own pleasure to acquire the whole of the property needed for a Court House, and

not already owned by it, with the exception of the Imperial Hotel and the Clayton Building, immediately in the rear thereof, at the prices at which the property was sold at public auction, plus $500. Should the City determine to avail itself of this purchase, it will be necessary to make some provision for the money before the damages can be paid for the widening of Fayette street.

In my last report I had occasion to use this language:

"Any recommendation looking towards an increase in the number of office holders is disagreeable, and should only be made under the compulsion of absolute necessity; but I am satisfied that the amount of work devolving upon the Law Department is more than can be properly disposed of under the present system without prejudice to the real interests of the City. By the ordinances, the City Counselor is required to try cases in the Superior Court, the United States Courts and the Court of Appeals, and to give opinions required by the Mayor, either Branch of the Council, or any of its committees. All other legal business of the City, except the examination of titles, devolves upon the City Solicitor, even including assistance to the State's Attorney in prosecuting violations of City ordinances. When the growth of the City is considered, and especially the many questions arising, and necessarily to arise, in connection with the Annex, it will be readily understood by any one conversant with the City's

affairs that it is scarcely possible for one man, however active or energetic, to perform all these duties with justice to the best interests of the community. The fact is, that under the pressure of legal business required by the City, the City Counselor, although much occupied by his regular official duties, performs much professional labor on behalf of the City that does not, under the ordinances, appertain to his office. * * * And it is manifestly impossible for the law officers, in addition to their other multifarious duties, to personally hunt up witnesses and look up evidence in the numerous City cases; and yet, under present circumstances, they are each obliged to do this as best they can, because there is no one else to do it. Every railroad company of any importance has some such person in its employment, and immediately upon the happening of an accident, the statement of every person who is supposed to have any information is procured, and when suits are brought the counsel of the company are in position to treat the whole case intelligently at once."

The experience of another year confirms these statements, and I therefore recommend the adoption of some measure to afford some assistance to this department.

Respectfully submitted,

W. A. HAMMOND,

City Solicitor.

ANNUAL REPORT

— OF THE —

Commissioners of the Harbor and River Relief Board

OF BALTIMORE,

— TO THE —

Mayor and City Council of Baltimore,

— FOR THE —

Fiscal Year Ending December 31st, 1891.

REPORT.

BALTIMORE, January 12th, 1892.

To Henry Seim, Esq., President
First Branch City Council.

DEAR SIR:

In accordance with law the Commissioners of the Harbor and River Relief Board of Baltimore respectfully submit report of the workings of the ice-boat "Annapolis," for the year 1891.

The Treasurer's account of receipts and disbursements from December 31st, 1890, to December 31st, 1891, has been handed to the Comptroller of the City.

Very faithfully,

WM. B. WILLSON,

Secretary.

BALTIMORE, December 31st, 1891.

To the Honorable the Mayor and
City Council of Baltimore.

GENTLEMEN:

In accordance with law, the Commissioners of the Harbor and River Relief Board of Baltimore beg to submit this, their annual report:

A statement in detail of the receipts and disbursements of the ice-boat "Annapolis" has been duly filed with the Comptroller of the City, a summary of which is as follows:

Balance on hand December 31st, 1890....		$7,811 91
Received for assisting vessels in distress..		310 00
Collected from the City of Baltimore on account of appropriation for 1891.....		7,500 00
		$15,621 91
Paid for repairs to the "Annapolis".....	$900 11	
Pay roll of officers and crew of the "Annapolis".....	5,726 50	
Coals, victualling and supplies furnished.	1,320 14	
Fire insurance on the "Annapolis".....	100 00	
Secretary's salary.....	200 00	
Balance on hand December 31st, 1891....	7,375 16	
		$15,621 91

During the past year, with the exception of January, we had very little cold weather and at no time was sufficient ice made to seriously interfere with navigation and call into requisition the services of the "Annapolis" as an ice breaker. She has, however, at all times been kept in a state of efficiency, ready for any service that might be required of her in connection with the commerce of our City and State.

Every economy has been exercised in the management and disbursement of the "Annapolis," and as a result of our efforts in this direction, we have not found it necessary during the year to call on the City for more than $7,500 of the annual appropriation of $10,000, provided by law for the maintenance of the boat.

The balance in the hands of the Treasurer, amounting to $7,375.16, will be fully needed to meet the expenses of the boat until the next appropriation for 1892 becomes available. We remain,

Your obedient servants,

F. C. LATROBE,
FRANK FRICK,
BLANCHARD RANDALL,

Commissioners.

THIRTY-SECOND ANNUAL REPORT

—OF THE—

COMMISSIONERS

—FOR—

OPENING STREETS

—TO THE—

Mayor and City Council of Baltimore,

—FOR THE—

Fiscal Year Ending December 31st, 1891.

REPORT.

OFFICE OF THE COMMISSIONERS FOR OPENING STREETS.

BALTIMORE, January 1st, 1892.

To the Honorable the Mayor
and City Council of Baltimore.

GENTLEMEN:

We have the honor to submit to you a statement of the operations of this Department, from January 1st, 1891, to December 31st, 1891, inclusive.

The following list comprises the streets, alleys, &c., condemned, opened and closed during the above stated time; also the amount of damages, expenses and benefits and amount assessed to the Mayor and City Council for each and every street, &c., as follows:

Name of Street, &c.	No. Ord.	Approved.	Damages.	Expenses.	Benefits.	Amount on City.
Mount street, from Lexington street to Edmondson avenue	116	June 8th, 1889	$ 2,200 00	$ 670 47	$ 2,432 70	$ 437 77
Chew street, from Wolfe street to Chester street	94	July 2d, 1888	13,906 75	523 30	6,116 46	8,313 59
Federal street, from Aisquith street to Eden street	112	June 10th, 1889	30,220 39	1,365 96	8,166 66	23,419 69
Penn street, from Haw street to Fremont street and Columbia avenue	110	Oct. 17th, 1887	33,151 92	1,597 59	5,647 81	29,101 70
Durham street, from Oliver street to North avenue	115	June 3d, 1890	14,219 06	504 32	6,323 93	8,399 45
Fayette street, from Calvert street to Liberty street	169	Oct. 25th, 1890	874,354 12	5,176 75	329,628 29	549,902 58
Hollins street, from the western line of the old City limits to Catherine street	75	May 24th, 1889	42,884 00	1,202 35	5,191 50	38,894 85
Hollins street, from the Calverton road to the west line of old City limits	41	April 10th, 1890	583 33	226 02	255 00	554 35
Union dock, Eastern avenue and Concord street	113	June 3d, 1890	59,450 93	761 19	11,217 75	48,994 97
Pinkney street, from Cross street to Stockholm street	174	Nov. 11th, 1889	6,487 50	592 92	2,472 72	4,607 70
Allen street, from Fort avenue to Clement street	168	Oct. 25th, 1890	9,339 00	285 50	5,183 00	4,441 50
			$1,086,797 00	$12,906 86	$382,635 82	$717,068 15
Alleys Closed.						
Morris alley, from Presstman street to Bloom street	150	June 25th, 1890	670 00	223 35	893 35	.....
			$1,087,467 00	$13,130 32	$383,529 17	$717,068 15

Streets, Alleys, &c., in Process of Opening.

Streets, Alleys, &c., in Process of Opening.

Name of Street.	No. of Ordinance.	Approved.
Clement street, from Lawrence street to Hull street	136	June 4, 1880.
Morton alley, from John street to Hoffman street	96	May 25, 1882.
An alley ten (10) feet wide, from the north side of McElderry street to an alley ten (10) feet wide, now open, between Eden street and Spring street	97	Oct. 20, 1883.
An alley ten (10) feet wide, from the north side of Orleans street to the south side of Jefferson street, between Central avenue and Eden street	97	Oct. 20, 1883.
An alley nine (9) feet nine (9) inches wide, from the north side of Monument street to an alley ten (10) feet wide, between Eden street and Spring street	97	Oct. 20, 1883.
An alley ten (10) feet wide, from the south side of Monument street to an alley ten (10) feet wide, now open, between Caroline street and Spring street	97	Oct. 20, 1883.
An alley ten (10) feet wide, from the north side of Madison street to the south side of Chew street, between Caroline street and Dallas street	97	Oct. 20, 1883.

An alley twelve feet wide, in the centre of Kirby's or Dorsey's lane, from Lanvale street to the Harlem Stage Company's property	33	Apr. 3, 1884.
Patuxent street, from Monument street to Eastern avenue	47	Apr. 29, 1884.
Clarkson alley, from Barney to Moale street	112	May 29, 1884.
Race street, from Barney to Moale street	113	May 29, 1884.
Henry street, from Clement street to Fifth lane	77	May 14, 1885.
Beason street, from Decatur street to the property of H. A. Ramsay & Co.	93	Oct. 17, 1885.
Kirby's or Dorsey's lane, from Franklin street to Edmondson avenue	130	Nov. 4, 1886.
South Paca street, from Stockholm street to West street	23	Apr. 6, 1887.
Patapsco street, from Baltimore street to Monument street	81	May 17, 1887.
Port alley, from Aliceanna street to Lancaster street	86	May 18, 1887.
Bouldin alley, from Bloom street to Baker street	106	Oct. 11, 1887.
Elizabeth lane, from Randall street to Heath street	54	May 2, 1888.
Townsend street, from Harford avenue to Caroline street	51	May 2, 1888.
Spring street, from Oliver street to Townsend street	53	May 2, 1888.
Eastern avenue, from Luzerne street to the Eastern City limits	114	Oct. 16, 1888.
Dallas street, from Oliver street to Hoffman street	115	Oct. 16, 1888.
Henry street, from Randall street to Fort avenue	116	Oct. 16, 1888.
Rope Walk lane, from Randall street to Heath street	36	Apr. 26, 1889.
Towson street, from Fort avenue to Marriott street	70	May 23, 1889.
Patterson avenue, from Fulton avenue to Monroe street	98	June 8, 1889.
Florence street, from Fulton avenue to Retreat street	99	June 8, 1889.
Francis street, from Retreat street to Whitelock street	101	June 8, 1889.
Morris alley, from North avenue to Druid Hill Park	103	June 8, 1889.

Streets, Alleys, &c., in Process of Opening—Continued.

Name of Street.	No. of Ordinance.	Approved.
Clement street, from Hanover street to Race street	114	June 8, 1889.
Brice street, from Lanvale street to Lafayette avenue	115	June 8, 1889.
Randall street, from Covington street to Webster street	109	June 10, 1889.
Webster street, from Randall street to Fort avenue	109	June 10, 1889.
Bouldin alley, from Laurens street to Wilson street	110	June 10, 1889.
Stoddard alley, from Mosher street to McMechen street	148	Oct. 9, 1889.
An alley ten (10) feet wide, from McKim street to Hillman street	149	Oct. 9, 1889.
Baltimore street, from its present terminus to the western City limits	150	Oct. 15, 1889.
Whitelock street, from Linden avenue to North avenue	156	Oct. 22, 1889.
Federal street, from Patterson Park avenue to Cannon street	160	Oct. 28, 1889.
Nicholson street, from Decatur street to Cooksie street	161	Oct. 28, 1889.
Burke street, from Oliver street to Belair avenue	162	Oct. 28, 1889.
Allen street, from Fort avenue to Claggett street	35	Apr. 1, 1890.
Cleveland street, from Bayard street to Stockholm street	88	May 19, 1890.
Ward street, from Bayard street to Stockholm street	89	May 19, 1890.
Eutaw street, at its intersection with Biddle street	95	May 20, 1890.
Chase street, from Washington street to Patterson Park avenue	106	May 31, 1890.

Collington avenue, from Monument street to Biddle street	107	May 31, 1890.
Madison street, from Washington street to Patterson Park avenue	111	June 2, 1890.
Stockholm street, from Washington avenue to Wicomico street	146	June 20, 1890.
Porter street, from Claggett street to Beason street	171	Oct. 27, 1890.
Covington street, from Cross street to Fifth lane	12	Mch. 19, 1891.
Bethel street, from Oliver street to Townsend street	41	Apr. 28, 1891.
Dallas street, from Oliver street to Lanvale street	50	May 1, 1891.
Ridgely street, from Ostend street to Gwynn's falls	77	May 8, 1891.
Lanvale street, from Patterson Park avenue to Cannon street	87	May 20, 1891.
Townsend street, from Belair avenue to Cannon street	88	May 20, 1891.
Port alley, from Baltimore street to Fairmount avenue	89	May 20, 1891.
Luzerne street, from Hudson street to Boston street	91	May 23, 1891.
All the property between East street and Chesnut street, from the north side of Fayette street to a point 147 feet northwardly from the north side of Douglas street	95	May 25, 1891.
Forrest street, from a point 157 feet 2 inches from the south side of Douglas street southwardly to Fayette street	97	May 25, 1891.
Holmes or Tenth street, from Charles street to Maryland avenue	99	May 25, 1891.
Ninth or Barnum street, from Charles street to Maryland avenue	101	May 25, 1891.
Seventh street, from Northwest street to Morris avenue	108	June 3, 1891.
Clifton avenue, from Ninth street to Fourth street	110	June 3, 1891.
An alley ten (10) feet wide, from Second street to First street, between Calvert street and Hargrove alley	111	June 4, 1891.
Ducatel street, from Madison avenue to Bolton street	121	June 13, 1891.
Wolfe street, from North avenue to Lake avenue	123	June 16, 1891.

Streets, Alleys, &c., in Process of Opening—Concluded.

Name of Street.	No. of Ordinance.	Approved.
Elgin avenue, from Ninth street to Seventh street	125	June 18, 1891.
Eighth street, from Northwest street to Elgin avenue	126	June 18, 1891.
Northwest street, from Seventh street to Ninth street	127	June 18, 1891.
Windsor avenue, from Fourth street to Ninth street	128	June 18, 1891.
Myrtle avenue, from Fulton avenue to Pulaski street	129	June 23, 1891.
Payson street, from North avenue to Clifton avenue	130	June 23, 1891.
Pulaski street, from North avenue to Clifton avenue	131	June 23, 1891.
Myrtle avenue, from Slingluff avenue to Ninth street	132	June 23, 1891.
McCulloh street, from Biddle street to Eutaw street	133	June 26, 1891.
North avenue, from Mine Bank lane to Belair avenue	143	Oct. 10, 1891.

Name of Street.	No of Ordinance.	Approved.
Point lane, from Ensor street to North avenue	84	May 23, 1882.
Kirby's or Dorsey's lane, from Lanvale street to the Harlem Stage Company's property	94	Oct. 20, 1883.
An alley, from Madison street to an alley ten (10) feet wide, between Eden street and Spring street	97	Oct. 20, 1883.
V. alley, between Barre street and Welcome alley	91	Oct. 8, 1885.
Kirby's or Dorsey's lane, excepting twelve (12) feet in the centre thereof, from the south side of the Harlem Stage Company's property to the south side of Winchester street	104	July 3, 1886.
Kirby's or Dorsey's lane, excepting twelve (12) feet in the centre thereof, from Lanvale street to the Harlem Stage Company's property	116	Sept. 17, 1886.
Butcher's lane, from Calhoun street to North avenue	61	May 2, 1888.
Fourth lane, from Hanover street to Light street	22	Mch. 29, 1889.
Brown's lane, from Eden street to Caroline street	111	June 10, 1889.
Sumwalt's lane, between Charles street and Maryland avenue	49	May 1, 1891.

Streets, Alleys, &c., in Process of Closing—Concluded.

Name of Street.	No. of Ordinance.	Approved.
Half Moon alley, west of Chesnut street	96	May 25, 1891.
Comet street, from a ten-foot alley to a fence corner there situated	105	May 27, 1891.
Ordinance Repealed.		
Orleans and Low streets, from Forrest street to Exeter street, under Ordinance No. 55, approved May 7th, 1888	103	May 27, 1891.

Respectfully submitted,

SAMUEL F. SHARRETTS,
BAYLY K. KIRKLAND,
LOUIS BECK,
Commissioners for Opening Streets.

Robert F. Green, *Clerk.*

ANNUAL REPORT

—OF THE—

JUDGES OF THE APPEAL TAX COURT

—TO THE—

MAYOR AND CITY COUNCIL OF BALTIMORE,

—FOR THE—

Fiscal Year Ending December 31st, 1891.

REPORT.

APPEAL TAX COURT.

BALTIMORE, January 1st, 1892.

To the Honorable the Mayor and
City Council of Baltimore.

GENTLEMEN:

We beg leave herewith to submit the result of the labors of this department for the year ending on the 31st of December, 1891.

Tabular Statement "A" shows the taxable basis charged to the City Collector for the years 1887 to 1891, both inclusive, with the assessments added to each, and the collections and abatements made on each.

Table "B" exhibits by wards, the number of building permits issued during the year.

Table "C," the Assessors' report, shows the number of new buildings and additional improvements assessed during the year by the Court's Assessor; the wards in which they are severally located, and the detail and aggregate valuation of same.

Following these tables will be found the reports respectively of the Assessors for Real Estate, and the Bailiffs.

TABLE A.

Statement of Property for each Year that Stand Charged to the City Collector December 31st, 1891.

1887.	*Real.*	*Personal.*
Amount of assessment unpaid January 1st, 1891...	$76,199	$648,224
	$76,199	$648,224
Amount of abatements during 1891.....	$6,028	$363,943
Amount collected during 1891	44,132	146,341
Amount remaining uncollected, closed by limitation.....	26,039	137,940
	$76,199	$648,224
1888.		
Amount of assessment unpaid January 1st, 1891...	$435,766	$2,636,512
Amount of refunds.....	5,599	
Amount of assessment as real assessed as personal..	175,500	
	$616,865	$2,636,512

TABLE A—Continued.

1888.	*Real.*	*Personal.*
Amount of abatements during 1891	$8,639	$1,104,331
Amount collected during 1891	574,435	586,531
Amount having been assessed as real		175,500
Amount remaining uncollected	33,791	770,150
	$616,865	$2,636,512
1889.		
Amount of assessment unpaid January 1st, 1891	$11,218,233	$6,549,893
Amount of refund	26,749	
	$11,244,982	$6.549,893
Amount of abatements during 1891	$43,794	$1,956,072
Amount collected during 1891	9,622,216	1,173,008
Amount remaining uncollected	1,578,972	3,420,813
	$11,244,982	$6,549,893
1890.		
Amount of assessment unpaid January 1st, 1891	$69,542,957	$14,849,922
Amount of refunds	77,025	
Amount of new assessment	3,070	108,914
	$69,623,052	$14,958,836

TABLE A—Concluded.

1890.	*Real.*	*Personal.*
Amount of abatements during 1891	$176,806	$2,772,769
Amount collected during 1891	57,592,153	6,234,164
Amount remaining uncollected	11,854,093	5,951,903
	$69,623,052	$14,958,836
1891.		
Amount of assessment remaining as part of assessment of 1890	$209,428,248	$41,418,813
Amount of new assessment less abatement on appeals.	2,270,297	3,281,529
Amount of assessment incorporated companies		27,237,663
Amount of new assessments.	9,095	343,415
	$211,707,640	$72,281,420
Amount of abatements during 1891	$417,739	$2,704,252
Amount collected during 1891	146,730,769	54,931,674
Amount remaining uncollected	64,559,132	14,645,494
	$211,707,640	$72,281,420

RECAPITULATION.

Amount for Different Years that is Charged to the City Collector, January 1st, 1892.

1888—Real	$ 33,791	
Personal	770,150	
		$ 803,941
1889—Real	1,578,972	
Personal	3,420,813	
		4,999,785
1890—Real	11,854,093	
Personal	5,951,903	
		17,805,996
1891—Real	64,559,132	
Personal	14,645,494	
		79,204,626
		$102,814,348
Less amount of plant, 1891.	1,440,231	
Less Consolidated Gas Company plant	590,219	
		2,030,450
		$100,783,898

TABLE B.

The Number of Permits Issued from January 1st, 1891, to December 31st, 1891, for New Buildings and Improvements were:

Wards.	New Improvements.	Additional Improvements.	Total.
1	374	79	453
2	16	29	45
3	5	28	33
4	4	14	18
5	13	28	41
6	8	20	28
7	592	54	646
8	124	25	149
9	12	18	30
10	15	19	34
11	14	21	35
12	62	25	87
13	5	12	17
14	9	14	23
15	7	10	17
16	9	26	35
17	290	37	327
18	143	33	176
19	309	34	343
20	127	35	162
	2,138	561	2,699

BALTIMORE, January 1st, 1892.

To the Honorable the Judges
of the Appeal Tax Court.

GENTLEMEN:

I most respectfully submit the following as my report for the year ending December 31st, 1891, of the number of new and additional improvements, the several wards in which they are located, and assessed value of the same:

TABLE C.

Wards.	New Improvements.	Additional Improvements.	Value.
1	373	79	$348,750
2	16	29	44,550
3	5	28	21,650
4	4	14	142,500
5	13	28	45,500
6	8	20	7,200
7	592	54	370,350
8	124	25	113,850
9	12	18	405,019
10	15	19	215,900
11	14	21	212,750
12	62	25	85,200
13	5	12	11,050
14	9	14	90,900
15	7	10	94,900
16	9	26	30,950
17	290	36	170,150
18	143	33	176,800
19	309	34	383,350
20	127	35	186,450
Totals..	2,137	560	$3,157,769

Very respectfully, M. P. CAUGHY,
Assessor.

BALTIMORE, January 2d, 1892.

To the Honorable the
Judges of the Appeal Tax Court.

GENTLEMEN:

The undersigned Assessors have the honor to submit for your consideration their report for the year ending December 31st, 1891.

For abatements allowed on real estate made on petitions of owners claiming to be over-assessed, see tabular statement annexed.

Wards.	No. of Appeals.	No. Dismissed.	No. Granted.	Amount Abated.
1	31	9	22	$ 4,950
2	29	4	25	12,550
3	26	7	19	8,850
4	41	13	28	7,500
5	47	15	32	10,300
6	42	14	28	7,450
7	75	28	47	16,000
8	33	8	25	6,350
9	54	18	36	28,650
10	16	10	6	3,150
11	36	14	22	10,700
12	91	35	56	36,537
13	26	8	18	7,300
14	67	17	50	22,230
15	33	6	27	13,500
16	42	7	35	9,225
17	20	9	11	3,150
18	38	11	27	7,100
19	156	53	103	34,075
20	48	14	34	11,570
	951	300	651	$261,137

Respectfully submitted,

GEO. W. MASSAMORE,
E. ROSENBAUM, JR.,
Assessors.

FRANCIS X. JENKINS, *Clerk.*

TAX DEPARTMENT.

CITY COLLECTOR'S OFFICE—CITY HALL.

BALTIMORE, January 11th, 1892.

To the Honorable the Judges
of the Appeal Tax Court.

GENTLEMEN:

The undersigned reports the Bailiffs' Department as having made assessments of personal property to March 1st, 1891, of the following amount: Two million seven hundred and ninety-five thousand two hundred and twenty-five dollars ($2,795,225).

Respectfully submitted,

P. SCANLAN,
Bailiff.

TRANSFERS.

From January 1st, 1891, to January 1st, 1892, there have been seven thousand and seventy-four (7,074) transfers of property, against six thousand nine hundred and fifty-two (6,952) for 1890.

PLANT.

The amount of application and exemption from City taxes for plant in 1891 aggregate a total of $1,440,231 to individuals, and exemption to Consolidated Gas Company, $590,219; total, $2,031,450, against $2,100,745 for 1890.

REFUNDS.

From January 1st, 1891, to January 1st, 1892, there have been eighty-one (81) orders for refunding of taxes given generally to parties who have paid in error, either as double payments, or on wrong property, or have paid on old improvements, torn down, as well as on the new improvements.

The imperative necessity for a complete re-assessment of real and personal property of the City of Baltimore has been set forth, and strongly and earnestly recommended in the annual reports of this Court for the past few years.

This Court again most anxiously trusts that the present General Assembly of Maryland will pass such a remedial measure, and would urge the City Council of Baltimore to make such a recommendation to the Legislature as early as possible.

Respectfully submitted,

WM. H. B. FUSSELBAUGH,
E. J. CHAISTY, JR.,
E. T. JOYCE,
Judges of Appeal Tax Court.

H. P. MOWINCKEL, *Chief Clerk.*
MICHAEL H. DOYLE, *Assistant Clerk.*

ANNUAL REPORT

—OF THE—

EXAMINER OF TITLES

—TO THE—

Mayor and City Council of Baltimore,

—FOR THE—

Fiscal Year Ending December 31st, 1891.

REPORT.

BALTIMORE, January 5th, 1892.

To the Honorable

Ferdinand C. Latrobe, Mayor.

DEAR SIR:

I have the honor of submitting to you herewith my annual report of the work completed in the department of the Examiner of Titles during the year 1891, to wit:

PRELIMINARY EXAMINATIONS OF THE FOLLOWING STREET TITLES:

Mount street, from Lexington street to Edmondson avenue.

Chew street, from Wolfe street to Chester street.

Morris alley, from Presstman street to Bloom street (closing).

Federal street, from Aisquith street to Eden street.

Penn street, from Haw street to Fremont street.

Durham street, from Oliver street to North avenue.

Fayette street, from Calvert street to Liberty street.

Hollins street, from old City limits to Catherine street.

Hollins street, from Calverton road to old City limits.

Union dock (widening).

Pinckney street, from Cross street to Stockholm street.

Allen street, from Fort avenue to Claggett street.

Allen street, from Fort avenue to Clement street.

West Baltimore street, from old to new City limits.

Cleveland street, from Stockholm street to Bayard street.

Spring street, from Oliver street to Townsend street.

Clifton avenue, in the Belt.

Elgin avenue, " "

Myrtle avenue, " "

Windsor avenue, " "

Seventh street, " "

Eighth street, " "

Northwest street, " "

Ninth street, from Charles street to Maryland avenue, in the Belt.

Tenth street, from Charles street to Maryland avenue, in the Belt.

Alley between Eden street and Spring street.

Also the final examinations of titles of the following streets, all, or nearly all, of which have been paid for by the City, to wit:

STREETS RECEIVED IN COLLECTOR'S OFFICE DURING YEAR 1891.

Castle alley, from Monument street to Eager street.

Clare street, from Washington avenue to McDonogh street.

Mount street, from Lexington street to Edmondson avenue.

Chew street, from Wolfe street to Chester street.

East Baltimore street, from Jones' falls to Exeter street.

Federal street, from Aisquith street to Eden street.

Penn street, from Calvert street to Liberty street.

Closing Morris alley, from Presstman street to Bloom street.

(Benefits all paid up.)

In addition to the above the following titles of lots for school houses, authorized by ordinances to be either bought or leased, have been examined, some of which have been turned into the proper departments, whilst others are about being completed, viz:

Lot corner Park avenue and Hoffman street.

Lot on Millington lane (Annex).

Lot on Old Frederick road (Annex).

Lot on Hill street, east of Sharp street.

Lot corner Monroe street and Harlem avenue.

Lot corner Pennsylvania avenue and Dolphin street.

In connection with my colleague (in the Law Department, Mr. William A. Hammond), I examined the title of so much of the lot at the northwest corner of Lexington and Charles streets, taken for the widening of Lexington street at that point, besides furnishing him, whenever required, with such information from my department as was necessary for the trials of street cases.

In connection with my other colleague, Col. Ritchie, I was engaged, from time to time, since April last to the close of the year, in arranging with the owners of the property, through which will be constructed what is known as Bush Street sewer. This matter involved examinations of title, and the preparation of an agreement (after many conferences with the counsel of parties claiming to be interested), whereby the rights of the City, in my judgment, have been fully protected, and so that the sewer can now be built without any litigation over the right of way. The North Avenue bridge matter did not come into my department, because the City relying upon the good faith of a contract (which I have no doubt can be enforced) with parties who, as I am informed, *were to furnish the right of way*, and who it was not anticipated would not fulfil their obligations, had no occasion to have any examinations of title of the land in question made.

In view, however, of what has since transpired, I respectfully suggest that where the acquisition of land, or the right of way over land is involved, no

work of any kind hereafter be done by any of the departments, without a prior conference with and a report of title from this department.

The Park Commissioners acquired some land, by condemnation, for road and other purposes, the titles of which were also examined by me, as were also the titles to what is known as the Presstman property, within the limits of Druid Hill Park, and concerning which there had been a very protracted litigation.

I would also respectfully suggest, in view of the numerous applications for street openings in the Belt, *that as a rule*, no ordinance should be passed for opening a street in that section, or for that matter in any vacant section of the City, unless it be for its entire length; not for a square, or two squares, but the whole of it.

Neither should any ordinance be passed for the opening of alleys, *only ten feet in width*, anywhere, and all existing ordinances for alleys of that width, if any, should be repealed. These suggestions, if adopted, will in my opinion result in the saving of large sums sf money to the City, and to tax-payers.

All of which is respectfully submitted,

J. W. McELROY,
Examiner of Titles.

REGISTER

—OF THE—

Corporation Officers

—OF—

BALTIMORE CITY,

FOR THE YEAR 1892.

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REGISTER

—OF THE—

Corporation Officers of Baltimore City,

FOR THE YEAR 1891-92.

Mayor's Office.

FERDINAND C. LATROBE, *Mayor.*
WILLIAM H. LOVE, *Secretary to the Mayor.*
OTIS C. BROWNLEY, *Clerk to the Mayor.*
JOSEPH W. WHITEFORD, *City Messenger.*

Register's Office.

JOHN A. ROBB, *Register.*
J. SEWELL THOMAS, *Deputy Register.*
CHAS. M. GORDON, *Chief Clerk.*
HENRY DUVALL, JR., *Assistant Clerk.*
WILLIAM E. DAVIS, "
ROBERT D. CARTER, "

Comptroller's Office.

JAMES R. HORNER, *Comptroller.*
JOSEPH VANSANT, *Deputy Comptroller.*
J. HARRY DUVALL, *Chief Clerk.*
JOSEPH A. BONN, *Assistant Clerk.*
JAMES T. DORSEY, *License Detective.*

Law Department.

ALBERT RITCHIE, *City Counselor.*
WM. A. HAMMOND, *City Solicitor.*
JAMES W. McELROY, *Examiner of Titles.*
WM. SHEPARD BRYAN, *City Attorney.*

Members of First Branch City Council.

HENRY SEIM, *President.*

First Ward.....Hanson P. Barnes.
Second Ward.....Henry Manken.
Third Ward.....J. H. Windfelder.
Fourth Ward.....Adam Deupert.
Fifth Ward.....Walter H. Stewart.
Sixth Ward.....Lawrence Rigger.
Seventh Ward.....James B. Guyton.
Eighth Ward.....John F. Doyle.
Ninth Ward.....John F. Leonard.
Tenth Ward.....Henry Seim.
Eleventh Ward.....Harry S. Cummings.
Twelfth Ward.....Jasper M. Berry.
Thirteenth Ward.....Joseph E. Schleifer.
Fourteenth Ward.....John T. Fahey.
Fifteenth Ward.....Daniel E. Clark.
Sixteenth Ward.....Frederick T. Hellman.
Seventeenth Ward.....Joseph Gehring.
Eighteenth Ward.....Frederick Spindler.
Nineteenth Ward.....William J. Ogden.
Twentieth Ward.....John B. Bland.
Twenty-first Ward.....Charles T. Turner.
Twenty-second Ward.....James H. Smith.

John Kelly, *Chief Clerk.*
Alexander M. Briscoe, *Assistant Clerk.*
Millard F. Taylor, *Committee Clerk.*
Charles H. Collins, *Sergeant-at-Arms.*
P. F. Doyle, Jno. T. Murphy, } *Doorkeepers.*
Jesse F. Hall, *Page.*

Members of Second Branch City Council.

JOHN M. JONES, *President.*

First and Second Wards.....Andrew Brown.
Third and Fourth Wards.....Francis P. Murphy.
Fifth and Sixth Wards.....Gilles J. Shaw.
Seventh and Eighth Wards.....Benj. F. Sutherland.
Ninth and Tenth Wards.....John J. Mahon.
Eleventh and Twelfth Wards.....J. Frank Supplee.
Thirteenth and Fourteenth Wards.John M. Jones.
Fifteenth and Sixteenth Wards...Samuel J. Leonard.
Seventeenth & Eighteenth Wards.Michael Cullen.
Nineteenth and Twentieth Wards.Francis E. Yewell.
Twenty-first and Twenty-second Wards ..... } Chas. H. S. Brannan.

John M. Travers, *Chief Clerk.*
John McNeill, *Assistant Clerk.*
James J. Flannery, *Committee Clerk.*
Michael Farrell, *Sergeant-at-Arms.*
Joseph H. Krager, *Doorkeeper.*
Henry C. Butts, *Page.*

Department of Finance.

His Honor Ferndinand C. Latrobe, *Chairman.*
Enoch Pratt, W. W. Spence.

Tax Department.

Lewis N. Hopkins, *City Collector.*
J. T. M. Barnes, *Deputy City Collector.*
Richard G. Ducket, *Cashier.*
Clapham Murray, *Assistant Cashier.*
Charles Schwartzhaupt, *Bookkeeper.*

Tax Department—Continued.

W. C. Bordley, *General Cash Bookkeeper.*
Jacob B. Waidner, *Transfer Clerk.*
W. P. Caughey, *Ledger Clerk.*
James K. Harwood, "
J. F. Cook, "
Gover Kettlewell, "
Jas. H. F. Hiser, "
Claude L. Goodwin, "
Frank J. Murphy, "
Frank C. Plunkett, "
Daniel Binswanger, "
John T. Murphy, "
George W. Snyder, "
Ridgely Duvall, *Bookkeeper for Annex.*
Ambrose M. Emory, *Ledger Clerk for Annex.*
Samuel W. Storm, " " "
John J. Potter, *Bailiff.*
Charles Kilian, "
James F. Pearson, "
John J. Rock, "
James H. O'Neill, "
George N. Hughes, "
Richard F. Curtis, "
Patrick Scanlon, "
Wm. J. Laughlin, "
Frank H. Fairbank, "
Henry C. Seebo, "
Terrence McMahon, "
Henry Lanfer, "

Tax Department—Concluded.

James T. Buckley, *Bailiff.*
Robert J. Padgett, Jr., "
Charles M. Hope, "
Charles S. Moran, "
Geo. P. Hamlin, "
Francis Cutaiar, "
Samuel A. Clagett, "
Jos. P. Scott, "
Jos. J. Peters "
Geo. Vogelgesang "
Joshua D. Taylor, "
Robert R. Kirkland, "
Charles E. Key, "
Jos. R. Knight, "
Philip Wolf, "

Judges of Appeal Tax Court.

Wm. H. B. Fusselbaugh, E. J. Chaisty, Eugene T. Joyce.
H. P. Mowinckel, *Chief Clerk.*
Michael H. Doyle, *Assistant Clerk.*
Thos. K. McCormick, *Assessor.*
Elias Rosenbaum, "
Dr. Geo. W. Massamore, "
Francis X. Jenkins, *Clerk to Assessors.*

City Commissioner's Department.

Alfred E. Smyrk, *City Commissioner.*
Charles P. Kahler, *Assistant City Commissioner.*
Arthur L. Shreve, " " "
Charles A. Hook, " " "
John E. Toole, *Clerk.*

City Library.

George C. Wedderburn, *Librarian.*
Samuel S. Ely, *Assistant Librarian.*

Inspector of Public Buildings' Office.

J. Theodore Oster, *Inspector.*
William Q. Caldwell, *Assistant Inspector.*
Wm. B. Wood, *Clerk.*

Commissioners for Opening Streets.

Jas. R. Brewer,
Samuel F. Sharretts,
Louis Beck.
Robert F. Green, *Clerk.*

Health Department.

Commissioner of Health and Registrar.
James F. McShane, M. D.

Assistant Health Commissioner.
Hiram L. Spicer, M. D.

Resident Physician Quarantine Hospital, Port of Baltimore.
Sidney O. Heiskell, M. D.

Secretary.
A. Robert Carter.

Assistant Secretary.
George C. Vansant.

Medical Examiner.
N. G. Keirle, M. D.

Health Department—Continued.

Assistant Medical Examiner.
J. B. Schwatka, M. D.

Keeper of the Morgue.
Wm. H. Murphy.

Assistant Registrar's Clerk and Assistant Permit Clerk.
Montgomery Lawrence.

Permit Clerk.
V. B. Hines.

Registrar's Clerk.
John T. Schroeder.

Nuisance Clerk.
Harry C. Andrews.

Recorder of Births.
John T. Nolan.

Sanitary Inspectors.

George N. Lewis,
Henry M. McKewen,
J. V. Fitzpatrick,
John E. Durding,
John M. De Goey,
John Long.
G. W. Phillips,
R. T. Pennington.

Annex.

D. S. Williams, M. D.
Robert E. L. Hall, M. D.

Health Department—Continued.

Vaccine Physicians.

First Ward.....Wm. H. Schwatka, M. D.
Second Ward.....N. L. Dashiell, Jr., M. D.
Third Ward.....Wm. H. Johnson, M. D.
Fourth Ward.....C. F. Maguire, M. D.
Fifth Ward.....Arthur Wegefarth, M. D.
Sixth Ward.....Francis A. Sauer, M. D.
Seventh Ward.....G. Henry Chabot, M. D.
Eighth Ward.....J. B. Saunders, M. D.
Ninth Ward.....Ellis Micheau, M. D.
Tenth Ward.....Aug. Horn, M. D.
Eleventh Ward.....J. A. Gilliss, M. D.
Twelfth Ward.....Thos. P. McCormack, M. D.
Thirteenth Ward.....William Wolf, M. D.
Fourteenth Ward.....Jos. G. Wunder, M. D.
Fifteenth Ward.....Wm. B. Burch, M. D.
Sixteenth Ward.....Joseph Blum, M. D.
Seventeenth Ward.....Henry Stark, M. D.
Eighteenth Ward.....Harry Boyd, M. D.
Nineteenth Ward.....John W. Linthicum, M. D.
Twentieth Ward.....Alex. Hodgdon, M. D.
Twenty-first Ward.....W. A. Duvall, M. D.
Twenty-second Ward.....H. G. Prentiss, M. D.

Superintendent of East Baltimore Public Cemetery.

George Rinehart.

Superintendent of West Baltimore Public Cemetery.

Geo. E. Brown.

Health Department—Concluded.

Inspector of Plumbing.
Jas. D. Stidham.

Inspector of Eastern District Sewers.
Henry Paff.

Inspector of Western District Sewers.
Mark F. Gorman.

Superintendent of Canton Dump.
James Quinn.

Superintendent of Spring Garden Dump.
Charles F. Ringold.

Disinfector.
Michael Maloney.

Inspector of Drains.
Dennis Healey.

Assistant Superintendent of Spring Garden Dump.
John J. Kernan.

N. S. Detective.
Ernesty Tschudy.

Messenger.
Samuel Russell.

Commissioner of Street Cleaning.

Bartholomew E. Smith.
John J. Walsh, *Clerk.*

SUPERINTENDENTS OF STREETS.

Bernard V. Kelly, *First District.*
Geo. E. McCauley, *Second* "
Michael Fadgen, *Third* "
James F. Busey, *Fourth* "
Henry Lancaster, *Fifth* "
John Meagher, *Sixth* "
Jos. McGee, *Seventh* "

SUPERINTENDENTS OF ROADS.

George M. Chambers, 21*st Ward.*
Charles Carroll, 22*d Ward.*

Assessor in 21st and 22d Wards.

L. G. Cook.

Harbor Board.

His Honor Ferdinand C. Latrobe, *Chairman.*

J. Vernon Campbell, Fielder Slingluff,
James S. Woodside, E. J. Codd,
Henry Williams, Martin Wagner.

N. H. Hutton, *Engineer.*
James H. Irvin, Jr., *Clerk.*

Superintendent of City Hall.

Wm. P. Ryan.

Day Watchmen at City Hall.

James Merritt,
John Cosgrove,
Dennis Bergin.

Night Watchmen at City Hall.

John Schlereth,
John Roney.

Engineers at City Hall.

Geo. W. Vandaniker,
Curtis B. Simonds.

Firemen at City Hall.

T. Thomas McGahan,
J. P. Kane,
James D. Danels,
Martin F. Healy.

Conductor City Hall Elevator.

C. S. Frazier.

Park Commission.

His Honor F. C. Latrobe, *Chairman.*

Douglas H. Thomas,	German H. Hunt,
John S. Berry,	John C. Froelich,
David L. Bartlett,	Frederick Wehr.

D. Rayhice, *Clerk.*

Water Department.

COMMISSIONERS.

His Honor F. C. Latrobe, *President.*

D. Meredith Reese,	John E. Hurst,
William A. Marburg,	Francis H. Hambleton,
Jos. S. Heuisler,	Clinton P. Paine.

Water Department—Continued.

Registrar's Department.

E. Shriver, *Water Registrar.*
James A. Marrian, *General Bookkeeper.*
James S. Etchberger, *Cashier.*
James J. C. Scully, *Clerk of Errors.*
Wm. Gilmor, of Wm., *Ledger Clerk.*
A. J. C. White, "
E. J. Edwards, "
John Gibson, "
Samuel A. Hart, "
J. Beale Howard, "
T. J. Penning, *Meter and New Supply Clerk.*
E. A. Hogg, " " " "

District Inspectors and Bill Distributors.

Benjamin Price,
George A. Coleman,
Geo. W. Dalrymple,
Leonard C. Hornick,
D. G. Carlisle,
S. L. Auerbach,
John F. Kearns,
Barney L. Hess,
Wm. H. Johnson, *Assistant Inspector.*
George W. Emmerich, *Special Inspector.*

Engineer's Department.

Robert K. Martin, *Chief Engineer.*
Wm. L. Kenly *Engineer and Supt. of Co. Division.*
Chas. Krauss, *Draughtsman Mechanical Department.*
R. L. Clemmitt, *Draughtsman in Chief Eng's Office.*
Richard D. Murphy, *Clerk.*
J. Philip Huppman, "
Lewis C. Curran, *Meter Inspector.*
John Shea, *Inspector of Pumps.*

Baltimore City Jail.

Board of Visitors.

Hon. F. C. Latrobe, *Ex-Officio.*
John Richardson, *President.*
Frank Whalen, *Secretary.*

A. C. N. Matthews, August Berkemeier,
Harry F. Turner, H. G. Dudley.

Daniel Constantine, *Warden.*
Wm. H. H. Turner, *Clerk.*
Dr. J. B. Hart, *Physician.*

Standing Committees.

Discipline.	John Richardson, A Berkemeier, Frank Whalen.
Finance.	A. C. N. Matthews, Frank Whalen.
Repairs.	A. Berkemeier, Harry F. Turner.
Supplies.	H. G. Dudley, Frank Whalen.
Sanitary.	Harry F. Turner, A. C. N. Matthews.

Deputy Wardens.

Michael Downs,	Charles Warner,
Thomas M. Kenny,	Charles A. Dwyer,
J. T. Barber,	George Hoffman,
George H. Hummell,	Edward Burke,
W. B. McEldon,	F. H. Valentine,
John W. Reiter,	Frederick Wolfe,
Thomas J. Goodrich,	H. J. Edell,
Michael Kohlerman,	John O'Donnell,
Thomas B. Smith,	Charles A. Hoffman.

Baltimore City Jail—Continued.

Michael Stanton, *Engineer.*
Mrs. Frances Causey, *Matron.*
John H. Meyer, *Substitute.*
J. B. Wells, "
John Cramer, "
Charles Helbing, *Baker.*
David Crotty, *Gardner.*
James Stanton, *Hostler.*
William H. Hall, *Purveyor.*

Commissioners of Public Schools.

First Ward.....John F. Langhamer.
Second Ward.....Simon L. Felber.
Third Ward.....John B. Wentz.
Fourth Ward.....Edward A. Burke.
Fifth Ward.....William H. B. Fusselbaugh, of J.
Sixth Ward.....John Weber.
Seventh Ward.....Frank H. Kampe.
Eighth Ward.....John T. Foley.
Ninth Ward.....Michael Sheehan.
Tenth Ward.....John T. Morris.
Eleventh Ward.....W. H. Dix.
Twelfth Ward.....Thomas P. Baldwin.
Thirteenth Ward....Charles J. Wiener.
Fourteenth Ward....James Bosley, M. D.
Fifteenth Ward.....Nelson Baker.
Sixteenth Ward.....John B. Biemiller.
Seventeenth Ward...Robert J. McCuen.
Eighteenth Ward....John J. Fenton.

Commissioners of Public Schools—Continued.

Nineteenth Ward.....Henry Allnutt.
Twentieth Ward.....James L. Murrill.
Twenty-first Ward.....Alcaeus Hooper.
Twenty-second Ward.....A. W. Monroe.

Henry M. Cowles, *Secretary.*
Albert Marshall, *Assistant Secretary.*
Henry A. Wise, *Superintendent of Instruction.*
John E. McCahan, *Assistant Superintendent.*
Christian W. Keidel, *Superintendent of Supplies.*
Francis J. Ruth, *Librarian.*

Trustees of the McDonogh Educational Fund and Institute.

David L. Bartlett, *President.*

German H. Hunt, *Sec'y.* Robert H. Smith,
Robert Garrett, Enoch G. Hipsley,
William A. Stewart, Wm. Keyser.

Trustees of Almshouse.

Joseph Friedenwald, *President.*
John Black, *Secretary.*

Simon I. Kemp, Ira Remsen, J. J. Pentz,
Jacob Pappler, John J. Hoffman.

Columbus W. Lewis, *Superintendent.*
John M. McElroy, *Purveyor.*
John R. Hammett, *Clerk and Storekeeper.*
Susan McCahan, *Matron.*
William Kaiser, *Engineer.*
James J. Farrell, *Assistant Engineer.*
John F. Barringer, *Gardener.*

Trustees of Almshouse—Continued.

Thomas Connor, *Messenger.*
Charles Jones, *Baker.*
Patrick Butler, *Carriage Driver.*

Medical Department.

Dr. H. B. Wilson,
Dr. Stanish McCleary, } *Resident Physicians.*
Dr. Robert E. Garrett, *Insane Hospital.*
Dr. James A. Tierney, *Apothecary.*

Agent of Baltimore City for the Deaf and Dumb.

William R. Barry.

Directors on Behalf of the City in the Female House of Refuge.

Joseph Merrefield, James W. Denny.
Edward Pels, W. T. Biedler,
Leon M. Hanline, J. H. Scarff.

Managers on part of the City of St. Mary's Industrial School.

John Bayle, R. W. L. Rasin, Andrew W. Woodall.

Managers of House of Refuge on the part of the City.

Dr. John G. Morris, Henry C. James,
Wm. A. Knapp, Samuel H. Lyon,
Dr. J. D. Iglehart, Archibald B. Coulter,
James H. Parrish, James A. Gould,
Israel Rosenfeld, Joseph F. Krauss.

Managers on the part of the City for the House of Reformation and Instruction for Colored Children.

William J. Brigham, Joseph J. Janney.

Managers on the part of the City in the Industrial Home for Colored Girls.

Francis P. Stevens, Myer Bornheim.

Directors on the part of the City in the Union Railroad Company.

John S. Leib, W. B. McAtee.

Visitor to Enoch Pratt Free Library.

Chas. W. Heuisler.

Directors on the part of City in the Western Maryland Railroad Company.

J. M. Hood, *President.*

Christian Devries,	John C. Legg,
E. G. Hipsley,	Samuel D. Schmucker,
Levi Weinberger,	William S. Rayner,
Wm. Keyser,	Lloyd L. Jackson.

Directors on the part of the City in the Valley Railroad Company

Henry Duvall, Osman Latrobe.

Harbor Masters.

First District.....Joseph E. Cromwell.
Second " .....William Knorr.
Third " .....Thomas Freeman.
Fourth " .....George T. Hodes.
Fifth " .....John N. Conway.
Sixth " .....Charles Durm.

Inspectors of Weights and Measures.

Northwestern District.....John A. Haeffner.
Northeastern " .....William Henry.
Southwestern " .....Patrick J. Brandy.
Southeastern " .....Thos. Francis Herr.
Southern " .....John C. Dietz.

Inspector of Long and Dry Measures.

William Bond.

Inspector of Coal Oil and Illuminating Gas.

Prof. P. B. Wilson.

General Superintendent of Lamps and Inspector and Sealer of Gas Meters.

W. Stuart Symington.

Inspector of Charcoal.

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Superintendent of Court House, Record Office and Grounds.

John D. Cook.

Watchman at Court House.

Daniel Barr.

Janitor at Old Masonic Hall Building.

James Donnelly.

Watchman at Old Masonic Hall Building.

Charles G. Waters.

Janitor of the Orphans' Court.

William J. Burke.

Keeper of Drawbridge.

George Konig.
William H. Konig, *Assistant.*

Keeper of Washington Monument.

James Cawley.

Keeper of Harman's Bridge.

Edward Stowman.

Keeper of North, Calvert and St. Paul Street Bridges.

James T. Mulligan.

Keeper of Dog Pound.

Philip Kimmel.

Clerk of Centre Market.

Daniel A. L. Murray,
John F. Bracken, *Assistant Clerk.*

Clerk of Lexington Market.

James A. Strong,
William H. Tibbals, *Assistant Clerk.*

Clerk of Fell's Point Market.

William A. Callahan.

Clerk of Belair Market.

Joseph H. Wright.

Clerk of Hollins Market.

James Biden.

Clerk of Hanover Market.

John H. Mortimer.

Clerk of Richmond Market.

George H. Clifton.

Clerk of Lafayette Market.

John Farrell.

Clerk of Cross Street Market.

Charles B. Kemper.

Clerk of Northeastern Market.

Charles Briggeman.

Clerk of Canton Market.

Daniel Cadden.

Keeper of Hall over Broadway Market.

Thomas Carroll.

Keeper of Market under Maryland Institute.

John H. Bogue.

Commissioners of Union Square.

Andrew J. Fairbank, William H. Thomas, Jr.
Walter N. Smith.

Commissioners of Lafayette Square.

D. H. Stevenson, W. C. Sanderson, H. G. Vickery.

Commissioners of Franklin Square.

Dr. James W. Bowers, Dr. J. Dimmett Norris,
John F. Adams.

Commissioners of Eutaw Place Squares—First Division.

Wm. T. Levering, A. G. Stabler, A. C. Trippe,
William H. Blackford.

Commissioners of Eutaw Place Squares—Second Division.

George W. Wood, Alexander H. Russell,
George J. Popplein.

Commissioners of Mount Vernon Squares.

Thomas M. Lanahan, William F. Burns,
Thomas Deford.

Commissioners of Madison Square.

John Solter, John H. Hoeck, Chas. H. Davis.

Commissioners of Jackson Square.

J. Krebs Rusk, Wm. G. Daugherty, J. S. Evans.

Commissioners of Harlem Park.

William P. Russe, Gerhard F. Kooke, Edward A. Holmes.

Commissioners of Eastern City Spring Square.

Emil Hesse, Geo. Courtney, Harry Fuld.

Commissioners of Broadway Squares—First Division.

Dr. Herman A. Klemper, A. McClintock, Wm. Cowen.

Commissioners of Broadway Squares—Second Division.

Wm. H. McElroy, Albert Blondheim, Louis Zink.

Commissioners of Broadway Squares—Third Division.

George Taylor, Edw. N. Waters, Adam Neuse, Jr.

Commissioners of Perkins' Spring Square.

Joseph Harris, J. Frank Wilhelm, Jos. W. Dell.

Commissioners of Park Place.

Frank Frick, Faris C. Pitt, Lawrence Turnbull.

Commissioners of Taney Place.

Samuel Henry, A. B. Clark, J. H. Wight.

Commissioners of Ashland Square.

Jas. Sapp, Edward G. Medinger, Richard S. Bridge.

Commissioners of Wilkens Avenue Squares.

Gustave Siegmund, Fredk. J. Cahill,
James E. Hillery, James C. Griffin,
Edward Andrews.

Commissioners of Mount Royal Avenue Square.

Michael Jenkins, Henry E. Baltzell,
R. W. Templeman.

Commissioners of Fulton Avenue Squares and Circle at Baker street and Fulton avenue.

Jas. W. Wolfe, Thomas F. Locke, Wm. J Miller.

Keeper of Madison Square.

John Baker.

Keeper of Perkins' Spring Square.

John Garey.

Keeper of Union Square.

George T. Price.

Keeper of Harlem Square.

W. R. Strickland.

Keeper of Lafayette Square.

Henry Manion.

Keeper of Franklin Square.

. . . . . .

Keeper of Eastern Fountain.

Nathaniel C. Walker.

Keeper of Broadway Squares—First Division.

Frederick W. Williams.

Keeper of Broadway Squares—Second Division.

John K. Hirzel.

Keeper of Broadway Squares—Third Division.

Joseph Krastel.

Keeper of Mount Royal Avenue Square.

Peter Needham.

Keeper of Ashland Square.

John C. Gareis.

Keeper of Jackson Square.

Herman Kumlehn.

Keeper of Taney Place.

Aug. Bechtold.

Ward Managers of the Poor.

First Ward.....Theo. Von Rintelln.
Second Ward.....George Schaeffer.
Third Ward.....Richard C. Kemp.
Fourth Ward.....Chas. F. Evans.

Ward Managers of the Poor—Continued.

Fifth Ward.....C. Crane.
Sixth Ward.....James E. Sturgeon.
Seventh Ward.....Alexander Bond.
Eighth Ward.....Michael Hagan.
Ninth Ward.....Thomas Gordon.
Tenth Ward.....Michael Hess.
Eleventh Ward.....Charles F. Taylor.
Twelfth Ward.....R. G. Keene.
Thirteenth Ward.....John H. Hancock.
Fourteenth Ward.....T .P. Perine.
Fifteenth Ward.....Joseph J. Harig.
Sixteenth Ward.....Peter Hines.
Seventeenth Ward.....Wm. L. P. Riggin.
Eighteenth Ward.....John P. Fahey.
Nineteenth Ward.....George A. Smith.
Twentieth Ward.....John B. Thomas, Jr.
Twenty-first Ward.....
Twenty-second Ward.....

Superintendents of Lamplighters.

Joshua E. Stinchcomb,
Benjamin F. Crisp,
Charles D. Moore,
Patrick Gibbons,
Richard E. Hardin,
John E. Ward.

Lamplighters.

First Ward—John Potter,
Stephen Flaherty,
Michael Herr,
Fredk. A. Connors, Jr.
James Donnelly.

Second Ward—John Schmitt,
Conrad Allis,
John T. Brown,
John Schaedel,
Thomas Kelly.

Third Ward—Henry Kimmelman,
Michael Wagner,
Charles Hitroth,
George W. Bandell,
John G. Moore, *at large.*
Michael Schnifer.

Fourth Ward—Joseph Lantz,
Hugh Hennessy,
John Spellman,
Carston Schultz,
Jerry Harrigan.

Fifth Ward—John W. Disney,
J. Ahearns,
Frank Morrell,
Thomas Kilduff,
William Dennis.

Lamplighters—Continued.

Sixth Ward—Frank Kminek,
Thomas J. Duvall,
Martin Ruppert,
James Finch,
Anton Grieb.

Seventh Ward—Henry Keagle,
Victor Hirshauer,
Andrew Emeline,
Frank Conrad,
Jacob Tragesser.

Eighth Ward—William Holden,
John McSweeny,
Frank Gutberlet,
John Hefferman,
Bernard Kerns,
Hy. Burns, *at large.*

Ninth Ward—Lewis J. Hess,
George H. Smith,
Thomas Keho,
Michael Collins,
John Garrity.

Tenth Ward—Max Kohlenstine,
Bellshazza Schneider,
Joseph Steinkamp,
Valentine Baum,
Joseph Johnson.

Lamplighters—Continued.

Eleventh Ward—Andrew J. Norris, Jr.
Chas. C. Pease,
Jacob Schoedel,
Jacob Pollety,
John Rinn.

Twelfth Ward—Thomas Rooney,
Thomas Hand,
Dennis Hogan,
George W. Courts,
Edward L. Rutter.

Thirteenth Ward—Ed. J. Schnur,
Jos. B. McConville
Thos. M. Hynes,
Owen McHugh,
Dennis A. Griffith.

Fourteenth Ward—Wm. J. Griffin,
Patrick Spearman,
Jos. Countess,
Anton K. Crofoot,
Thomas Hibbetts.

Fifteenth Ward—Michael Ragan,
Geo. W. Behrens,
Geo. W. Schaum,
John T. Belchner,
Geo. Fred. Seyfried.

Lamplighters—Continued.

Sixteenth Ward—Daniel Zimmer,
Michael Murphy,
Wm. Pistel,
Sam'l J. Glenn,
Geo. Riley.

Seventeenth Ward—Thomas Cunningham,
Henry E. Davis,
William Amey,
John McMann,
Jeff Fitzgerald.

Eighteenth Ward—John Jeffers,
Wm. Brady,
Francis Kernan, *at large.*
Geo. P. Hobach,
Michael Manning,

Nineteenth Ward—John Chambers,
William E. Coale,
Dennis J. Myers,
Stephen L. Hurley.
Wm. H. Ijams,
Wm. J. McAllister.

Twentieth Ward—William J. Egan,
Nathan Wright,
J. G. Wutz,
Percival Y. Darnell,
Wm. H. L. Lockwood, *at large.*

Lamplighters—Concluded.

Twenty-first Ward—James A. Hamilton,
W. Stapf,
W. H. Pease,
Leroy Kidd,
James A. Hamilton,
Geo. M. McGee,
J. Kepple,
Chas. Steiks,
Wm. H. Darenberger,
Thomas H. Snowden,
Andrew Koerner.

Twenty-second Ward—Chris. Fisher,
G. H. McCauley,
Caleb N. Williams,
J. Knight,
Geo. H. Fisher,
Geo. M. Hargest,
Henry D. Brown,
John F. Skipper,
Frank Dietz,
Leonard Forlifer,
John McFall,
Henry J. Linck,
John H. Maxfield,
Ephraim Orem.

Constables.

First	Ward	Henry Leimbach.
"	"	Horatio Wallace.
Second	"	Geo. Dobson.
"	"	Chas. P. Dunnigan.
Third	"	Godfrey Koffenberger.
"	"	Theo. Dauphin.
Fourth	Ward	George McCart.
"	"	Frank Abbiss.
Fifth	"	John J. Frey.
"	"	Richard O. Jessup.
Sixth	"	Charles Tankersley.
"	"	John Sanner.
Seventh	"	John Darling.
"	"	John W. Darley.
Eighth	"	W. W. Rollins.
"	"	Geo. H. Winchester.
Ninth	"	I. N. Zipprian.
"	"	James Loane.
Tenth	"	Edward A. Keyser.
"	"	Chas. H. Shipley.
Eleventh	"	John E. Kropp.
"	"	Thos. R. Morse.
Twelfth	"	P. H. C. Stitcher.
"	"	Stephen A. Morse.
Thirteenth	"	Charles Strasser.
"	"	John T. Barber.
Fourteenth	"	Charles Cook.
"	"	Wm. F. Brag.

Constables—Continued.

Fifteenth	"	..... Wm. B. Lyons.
"	"	..... Fred. Kirsch.
Sixteenth	"	..... Charles B. Keyser.
"	"	..... Charles J. Swope.
Seventeenth	"	..... Wm. B. Saylor.
"	"	..... David P. West.
Eighteenth	"	..... David H. M. Jung.
"	"	..... Andrew Schmidt.
Nineteenth	"	..... Wm. H. McCabe.
"	"	..... Chas. G. Ricaud.
Twentieth	"	..... Chas. H. Weems.
"	"	..... John K. Stein.
Twenty-first	"	..... Theo. N. Weems.
"	"	..... Simon Otto.
Twenty-second	"	..... Geo. T. Wise.
"	"	..... Leo Hayden.

Officers of the Fire Department.

Fire Commissioners.

J. Alexander Preston, *President.*

John F. Hunter, George May.

Secretary and Clerk.

David H. Lucchesi.

Chief Engineer.

John M. Hennick.

Assistant Engineers.

George W. Ellender, John J. Ledden.

Superintendent of Police and Fire Alarm Telegraph.

Charles J. McAleese.

Superintendent of Machinery.

George J. Linsenmeyer.

Operators—H. P. Lucas, Alexander Crummer, F. L. McAleese, J. F. O'Mailey.

Substitute Operator—J. J. McCoy, Jr.

Lineman—J. M. Nugent.

Assistant Lineman—C. J. Hellings,

" " Samuel Knouse.

Batteryman—Robert Kain.

No. 1 Engine.

William C. McAfee.....*Captain.*
William F. Morrow.....*Lieutenant.*
Charles E. Freeburger.....*Engineman.*
John W. Eckhardt .....*Ass't Engineman.*
Lewis J. Fresch .....*Driver.*
Edward R. Addison.....*Fireman.*
Al. Oelman ..... "
W. H. C. Laughlin..... "
Emil Heise..... "
Andrew J. Stump..... "
John Weinkamp ..... "

No. 2 Engine.

William R. Ward.....*Captain.*
C. Henry Hammel.....*Lieutenant.*
Thomas E. Wheatley.....*Engineman.*
Daniel H. Weber.....*Ass't Engineman.*
Frank Hines.....*Driver.*
William Eckert.....*Fireman.*
Charles Romoser, Jr..... "
Maurice C. Bollman..... "
George C. Young..... "
George H. Hewitt..... "
John W. Ruppert..... "
William Burkhead..... "

No. 3 Engine.

Fielding H. Lucas.....*Captain.*
Thos. B. Campbell.....*Lieutenant.*
Patrick F. Moriarity.....*Engineman.*
Thomas G. Huth.....*Ass't Engineman.*
John F. Peerce.....*Driver.*
Benjamin Price.....*Fireman.*
G. Louis Schlimm..... "
R. H. Dougherty..... "
Herman Fumbaugh..... "
August Schlimm..... "
James T. Pearl..... "

No. 4 Engine.

George W. Horton.....*Captain.*
Geo. W. Bentz.....*Lieutenant.*
John Gaffney.....*Engineman.*
Jos. P. Whalen.....*Ass't Engineman.*
Andrew J. Connelly.....*Driver.*
Constant Seibert.....*Fireman.*
Joseph H. Dailey..... "
Wilmer West..... "
Geo. Croucher..... "
Wm. H. Cullen..... "
Chas. W. Stuart..... "
Martin F. Lawless..... "

No. 5 Engine.

Andrew W. German.....*Captain.*
James L. Lindsay.....*Lieutenant.*
Frederick L. Nelson.....*Engineman.*
John N. Bletzer.....*Ass't Engineman.*
Henry Murphy.....*Driver.*
William B. Baker.....*Fireman.*
John H. Reitz..... "
Henry R. Seippel..... "
Charles Rosenthal..... "
Anthony Schoepplein..... "
Geo. B. King..... "

No. 6 Engine.

Richard N. Pittinger.....*Captain.*
Charles Betz.....*Lieutenant.*
Matthew Mulligan.....*Engineman.*
Thos. F. Sexton.....*Ass't Engineman.*
Wm. H. Ryan.....*Driver.*
B. F. Seipp.....*Fireman.*
Lawrence Blake..... "
George Mineburg..... "
F. C. H. Berger..... "
Frank L. Creamer..... "
Joseph E. Renner..... "
Thomas Gaven..... "

No. 7 Engine.

Wm. H. Hartman.....*Captain.*
Louis B. Schieve.....*Lieutenant.*
Jacob S. Corns.....*Engineman.*
Thomas S. Brown.....*Ass't Engineman.*
Frank B. Hart.....*Driver.*
J. J. Houck.....*Fireman.*
Samuel A. Seymour..... "
Charles A. Soistman..... "
William F. Doeppe..... "
John F. Kelly..... "
Paul L. Linde..... "

No. 8 *Engine.*

A. J. Walter ..... *Captain.*
Wm. T. Joyner ..... *Engineman.*
Martin J Hesmer ..... *Ass't Engineman.*
William J. Stewart ..... *Driver.*
G. B. Chapman ..... *Fireman.*
Frederick Johnson ..... "
Charles Airey ..... "
Jacob Rupp ..... "
John Krauss ..... "
James McGlennan ..... "
John J. Murphy ..... "

No. 9 *Engine.*

David H. Macaulay ..... *Captain.*
Daniel R. Rogers ..... *Engineman.*
William H. Stanton ..... *Ass't Engineman.*
William B. Baker ..... *Driver.*
James McDevitt ..... *Fireman.*
Charles C. Neilson ..... "
Soloman Uhlfelder ..... "
John H. Cruse ..... "
W. F. Cuddy ..... "
Henry S. Abell ..... "
John E. Wallace ..... "

No. 10 *Engine.*

Herman F. Bichy ..... *Captain.*
John W. Walsh ..... *Engineman.*
James Nugent ..... *Ass't Engineman.*
George W. Thorpe ..... *Driver.*
Justice G. Keilholtz ..... *Fireman.*
Samuel W. Marker ..... "
James Scott ..... "
Henry Zachman ..... "
John Eigenbrodt ..... "
Henry Stagge ..... "
Henry Ludwig ..... "

No. 11 *Engine.*

Michael A. Lind ..... *Captain.*
John Calder ..... *Engineman.*
John Lindeman ..... *Ass't Engineman.*
Lewis Battee ..... *Driver.*
Josh. H. Miller ..... *Fireman.*
Albert H. Gier ..... "
George Shipley ..... "
Ben. V. Beyer ..... "
Thomas Howard ..... "
Charles E. DeWitt ..... "
Wilton B. Clarke ..... "

No. 12 *Engine.*

James Humes ..... *Captain.*
Michael Lycett ..... *Engineman.*
Thomas S. Atkinson ..... *Ass't Engineman.*
Joseph W. Moon ..... *Driver.*
Edward C. Klessell ..... *Fireman.*
James Catterton ..... "
George Stegman ..... "
Thomas Voyce ..... "
William A. Kirwin ..... "
Peter McGonigle ..... "
Thomas Fitzpatrick ..... "

No. 13 *Engine.*

John Hoffman ..... *Captain.*
John H. Deal ..... *Engineman.*
John A. Bannon ..... *Ass't Engineman.*
Thomas H. Wright ..... *Driver.*
Philip Bowen ..... *Fireman.*
Laurence Pistel ..... "
Wilbur Pierce ..... "
James Keyser ..... "
William R. Lashorne ..... "
William Lynch ..... "
George Kennard ..... "

No. 14 *Engine.*

William H. Dunn ..... *Captain.*
Samuel W. Stansbury..... *Engineman.*
John Conway ..... *Ass't Engineman.*
J. Oscar Healey..... *Driver.*
Charles H. Baker..... *Fireman.*
C. Allen Orem..... "
Howard Scott..... "
Philip L. Brady..... "
James B. Baldwin..... "
George A. Wright..... "
James P. Dillon..... "

No. 15 *Engine.*

Frank K. Conway..... *Captain.*
John Keily..... *Lieutenant.*
Thos. H. Humphreys..... *Engineman.*
William F. Awalt..... *Ass't Engineman.*
Mark Hill..... *Driver.*
Harry Lee Wynne..... *Fireman.*
John B. Bortell..... "
Harman Schiminger..... "
James T. Dunn..... "
Frank Miller..... "
John Todd..... "
Frank P. Larkins..... "
Edw. F. Kelly..... "
John Sally..... "
Thos. F. Flaherty..... "
Hunter S. Shettle..... "
John F. Harney..... "
Edw. E. Tanker..... "

No. 16 *Engine.*

Richard A. Lindsay.....*Captain.*
John Prenger.....*Lieutenant.*
John H. Brown.....*Pilot.*
Wm. C. Stallings..... "
Thomas B. Meushaw.....*Engineman.*
Herbert W. Peerce.....*Ass't Engineman.*
John H. Stutt..... " "
Geo. W. Smith.....*Pipeman.*
Louis P. McKay..... "
James H. Hoey.....*Stoker.*
James Hayden..... "
George Horley..... "

No. 1 *Hook and Ladder.*

G. Albert Cassedy.....*Captain.*
August Emerich.....*Lieutenant.*
Thos. B. Strahan.....*Tillerman.*
Geo. W. Cassedy.....*Ass't Tillerman.*
John T. Mulligan.....*Driver.*
Martin Kirby.....*Ladderman.*
Cooper Elliott..... "
Thomas Kerr..... "
Zach. T. Seabreeze..... "
Robt. Edwards..... "
George Thompson..... "

No. 2 Hook and Ladder.

Thos. Montgomery ..... *Captain.*
Wm. White..... *Lieutenant.*
Charles Rolf..... *Tillerman.*
John W. Blake..... *Ass't Tillerman.*
Joseph Lavender..... *Driver.*
J. Fred. Schaeffer..... *Ladderman.*
William H. Thomas ..... "
Robert M. Brown..... "
William A. Meushaw..... "
John W. Kelly..... "
John Smith..... "

No. 3 Hook and Ladder.

George W. Foxwell..... *Captain.*
Louis Laux ..... *Lieutenant.*
John M. Douns..... *Tillerman.*
Peter Nelson..... *Ass't Tillerman.*
John Croucher..... *Driver.*
Joseph P. Kelly..... *Ladderman.*
John McClellan..... "
John A. Sauers..... "
George Little..... "
James H. Reilly..... "
Charles W. Johnson..... "
John Koos..... "

No. 4 Hook and Ladder.

Andrew Bilson.....*Captain.*
John H. Morgan.....*Lieutenant.*
Frederick Brannan.....*Tillerman.*
E. Louis Shipley.....*Ass't Tillerman.*
J. B. Kelly .....*Driver.*
George W. Allen.....*Ladderman.*
Jacob A. Wisong..... "
John Kurne..... "
Samuel C. Eichelberger..... "
William F. Clabaugh..... "
George E. Gill..... "
John J. Gill..... "

No. 5 Hook and Ladder.

Thomas Strahler.....*Captain.*
George W. Haskell.....*Lieutenant.*
Wm. Quinn.....*Tillerman.*
Wm. T. Johns.....*Ass't Tillerman.*
Howard E. Curry.....*Driver.*
Wm. Wiley.....*Ladderman.*
W. E. Van Rossum..... "
Wm. F. Beall..... "
John M. Fredericks..... "
John Sullivan..... "
Peter Mullen..... "
John Emerson..... "

No. 6 Hook and Ladder.

William A. Larkins.....*Captain.*
Thos. D. O'Keefe.....*Lieutenant.*
James Gill.....*Tillerman.*
Antone Kemp.....*Ass't Tillerman.*
George D. Taylor.....*Driver.*
Albert Squires.....*Ladderman.*
Charles E. Causey..... "
Daniel Vogelgesang..... "
Albert McKenthum..... "
William Lalotte..... "
Thos. H. Kelly..... "
Louis Matthai..... "

Fire Department—Annex.

Wm. M. Dunn, *Assistant Engineer.*

No. 1 Chemical Engine.

Edward N. Steinacker.....*Captain.*
Michael Farley.....*Hostler.*
Antone Yienger.....*Fireman.*

No. 2 Chemical Engine.

James H. Merrick.....*Captain.*
James K. Merriken.....*Hostler.*
James R. White.....*Fireman.*

No 3 *Chemical Engine.*

Ralph S. Ferguson ..... *Captain.*
John W. Potts ..... *Hostler.*
James A. Clark ..... *Fireman.*

No. 4 *Chemical Engine.*

Wm. H. Taylor ..... *Captain.*
Owen McGreevey ..... *Hostler.*
James Hart ..... *Fireman.*
Andrew J. McCormick ..... "

No. 5 *Chemical Engine.*

Levin H. Burkhardt ..... *Captain.*
Robt. F. McFarland ..... *Hostler.*
John Lachman ..... *Fireman.*

No. 6 *Chemical Engine.*

Frank Maher ..... *Captain.*
Ed. G. Kipp ..... *Hostler.*
Zachariah H. Foote ..... *Fireman.*

No. 7 *Chemical Engine.*

James J. Reynolds ..... *Captain.*
James P. Morris ..... *Hostler.*
James L. Clarken ..... *Fireman.*

No. 7 *Hook and Ladder.*

John F. MacKenzie ..... *Hostler.*

No. 8 *Hook and Ladder.*

John L. Durham ..... *Hostler.*

No. 9 *Hook and Ladder.*

Samuel R. Watkins ..... *Hostler.*

Judges and Clerks of Courts.

Hon. Henry D. Harlan,
" J. Upshur Dennis,
" William A. Stewart,
" Charles E. Phelps,
" Edward Duffy,
" Daniel Giraud Wright.

Clerk of the Superior Court.
James Bond.

Clerk of the Court of Common Pleas.
John T. Gray.

Clerk of the Circuit Court.
Alvin Robertson.

Clerk of Circuit Court No. 2.
John H. Suter.

Clerk of the Criminal Court.
Hiram G. Dudley.

Clerk of the City Court.
Henry A. Schultz.

COMMITTEES

—OF THE—

CITY COUNCIL OF BALTIMORE

FOR THE YEAR 1891-92.

JOINT STANDING COMMITTEES.

WAYS AND MEANS.

First Branch.	*Second Branch.*
Smith, James H.	Mahon, John J.
Berry, Jasper M.	Sutherland, B. F.
Guyton, James B.	Yewell, Francis E.

BRIDGES.

First Branch.	*Second Branch.*
Hellman, Frederick T.	Brown, Andrew
Fahey, John T.	Brannan, Charles H. S.
Turner, Charles T.	Shaw, Gilles J.

WATER.

First Branch.	*Second Branch.*
Stewart, Walter H.	Leonard, Samuel J.
Spindler, Frederick	Supplee, J. Frank
Bland, John B.	Brown, Andrew

CLAIMS.

First Branch	*Second Branch.*
Berry, Jasper M.	Yewell, Francis E.
Hellman, Frederick T.	Supple, J. Frank
Stewart, Walter H.	Leonard, Samuel J.

HIGHWAYS.

First Branch.	*Second Branch.*
Doyle, John F.	Sutherland, B. F.
Leonard, John F.	Cullen, Michael
Manken, Henry	Mahon, John J.

HEALTH.

First Branch.	*Second Branch.*
Clark, Daniel E.	Murphy, Francis P.
Windfelder, John H.	Brannan, Charles H. S.
Guyton, James B.	Shaw, Gilles J.

MARKETS.

First Branch.	*Second Branch.*
Bland, John B.	Yewell, Francis E.
Gehring, Joseph	Cullen, Michael
Rigger, Lawrence	Leonard, Samuel J.

CITY PROPERTY.

First Branch.	*Second Branch.*
Fahey, John T.	Cullen, Michael
Clark, Daniel E.	Leonard, Samuel J.
Schleifer, Joseph E.	Murphy, Francis P.

EDUCATION.

First Branch.	*Second Branch.*
Ogden, William J.	Shaw, Gilles J.
Cummings, Harry S.	Supplee, J. Frank
Schleifer, Joseph E.	Murphy, Francis P.

HOUSE OF REFUGE.

First Branch.	*Second Branch.*
Turner, Charles T.	Brannan, Charles H. S.
Ogden, William J.	Mahon, John J.
Fahey, John T.	Cullen, Michael

INTERNAL IMPROVEMENTS.

First Branch.	*Second Branch.*
Rigger, Lawrence	Supplee, J. Frank
Spindler, Frederick	Leonard, Samuel J.
Cummings, Harry S.	Murphy, Francis P.

FIRE DEPARTMENT.

First Branch.	*Second Branch.*
Berry, Jasper M.	Shaw, Gilles J.
Schleifer, Joseph E.	Brannan, Charles H. S.
Hellman, Frederick T.	Cullen, Michael

POLICE AND JAIL.

First Branch.	*Second Branch.*
Smith, James H.	Brannan, Charles H. S.
Barnes, Hanson P.	Sutherland, B. F.
Clark, Daniel E.	Brown, Andrew

HARBOR.

First Branch.	*Second Branch.*
Windfelder, John H.	Brown, Andrew
Gehring, Joseph	Murphy, Francis P.
Barnes, Hanson P.	Cullen, Michael

CITY PASSENGER RAILWAYS.

First Branch.	*Second Branch.*
Leonard, John F.	Brown, Andrew
Doyle, John F.	Mahon, John J.
Deupert, Adam	Sutherland, B. F.

ALMSHOUSE.

First Branch.	*Second Branch.*
Barnes, Hanson P.	Leonard, Samuel J.
Rigger, Lawrence	Murphy, Francis P.
Gehring, Joseph	Yewell, Francis E.

JONES' FALLS.

First Branch.	*Second Branch.*
Deupert, Adam	Sutherland, B. F.
Manken, Henry	Mahon, John J.
Stewart, Walter H.	Supplee, J. Frank

McDONOGH BEQUEST.

First Branch.	*Second Branch.*
Guyton, James B.	Supplee, J. Frank
Cummings, Harry S.	Brannan, Charles H. S.
Bland, John B.	Cullen, Michael

PARKS.

First Branch.	*Second Branch.*
Spindler, Frederick	Supplee, J. Frank
Ogden, William J.	Brannan, Charles H. S.
Barnes, Hanson P.	Shaw, Gilles J.

COMMERCE AND MANUFACTURES.

First Branch.	*Second Branch.*
Schleifer, Joseph E.	Supplee, J. Frank
Fahey, John T.	Brannan, Charles H. S.
Guyton, James B.	Mahon, John J.

PRINTING.

First Branch.	*Second Branch.*
Manken, Henry	Sutherland, B. F.
Rigger, Lawrence	Brown, Andrew
Gehring, Joseph	Murphy, Francis P.

ENROLLMENT.

First Branch.	*Second Branch.*
Bland, John B.	Mahon, John J.
Berry, Jasper M.	Sutherland, B. F.

JOINT SELECT COMMITTEES.

REGISTER'S ACCOUNTS.

First Branch.	*Second Branch.*
Ogden, William J.	Murphy, Francis P.
Bland, John B.	Shaw, Gilles J.
Fahey, John T.	Sutherland, B. F.

COMMISSIONERS OF PUBLIC SCHOOLS ACCOUNTS.

First Branch.	*Second Branch.*
Windfelder, John H.	Mahon, John J.
Stewart, Walter H.	Yewell, Francis E.
Cummings, Harry S.	Supplee, J. Frank

COMMISSIONERS OF FINANCE ACCOUNTS.

First Branch.	*Second Branch.*
Guyton, James B.	Supplee, J. Frank
Clark, Daniel E.	Brannan, Charles H. S.
Windfelder, John H.	Murphy, Francis P.

COMPTROLLER'S ACCOUNTS.

First Branch.	*Second Branch.*
Schleifer, Joseph E.	Cullen, Michael
Barnes, Hanson P.	Sutherland, B. F.
Spindler, Frederick	Leonard, Samuel J.

WATER COMMISSIONERS' ACCOUNTS.

First Branch.	*Second Branch.*
Smith, James H.	Brown, Andrew
Turner, Charles T.	Shaw, Gilles J.
Rigger, Lawrence	Supplee, J. Frank

CITY COMMISSIONERS' AND HARBOR COMMISSIONERS' ACCOUNTS.

First Branch.	*Second Branch.*
Doyle, John F.	Murphy, Francis P.
Leonard, John F.	Brannan, Charles H. S.
Gehring, Joseph	Leonard, Samuel J.

HEALTH COMMISSIONER'S ACCOUNTS.

First Branch.	*Second Branch.*
Manken, Henry	Mahon, John J.
Deupert, Adam	Brown, Andrew
Doyle, John F.	Cullen, Michael

COMMISSIONERS OF FIRE DEPARTMENT ACCOUNTS.

First Branch.	*Second Branch.*
Berry, Jasper M.	Shaw, Gilles J.
Hellman, Frederick T.	Leonard, Samuel J.
Schleifer, Joseph E.	Sutherland, B. F.

Joint Special Committee for the Introduction of the Waters of the Gunpowder River into the City.

First Branch.	*Second Branch.*
Deupert, Adam	Leonard, Samuel J.
Windfelder, John H.	Brannan, Charles H. S.
Ogden, William J.	Yewell, Francis E.
Barnes, Hanson P.	Supplee, J. Frank
Guyton, James B.	Murphy, Francis P.

Thirty-Second Annual Report

— OF THE —

PUBLIC PARK COMMISSION

— TO THE —

MAYOR AND CITY COUNCIL OF BALTIMORE,

— FOR THE —

YEAR ENDING DECEMBER 31st, 1891.

The Public Park Commission

OF THE

City of Baltimore, Md.

HON. F. C. LATROBE, Mayor,

Chairman Ex-officio.

DAVID L. BARTLETT,

Chairman.

GEN'L JOHN S. BERRY,

Secretary.

GERMAN H. HUNT,

FREDERICK WEHR,

JOHN C. FROEHLICH,

DOUGLAS H. THOMAS.

REPORT

OF THE

Public Park Commission.

BALTIMORE, December 31st, 1891.

To the Honorable the Mayor and
City Council of Baltimore:

The ordinance providing for a public park, or parks, requires "*That said Commission shall make annually to the Mayor and City Council of Baltimore, in season to be referred to in the Annual Message of the Mayor to the Council, a full and detailed report of their proceedings in the execution of the trust reposed in them, &c.*" In accordance with which we beg leave to submit the following brief summary, referring for particulars to the reports of the General Superintendent and Engineer, and of the Treasurer, which follow.

During the year just passed, in addition to the proper maintenance of the parks under the control of the Commission, a number of permanent improvements have been executed.

We would briefly refer to the acquisition of the strip of land necessary to improve the Eutaw Place entrance, widen the Druid Lake drive, and construct the short connecting road to the Mount Royal upper gateway. This strip was obtained by condemnation from the Brooks and Callow property at a total cost of $24,860.58.

We would also refer to the improvement of the northwestern section of Druid Lake drive; to the opening of a new driveway in the old bed of Newington lane from Swann avenue to the Fulton avenue gate. The drainage of the park has also been extended during the year in various places, especially that of the Boat Lake valley. A considerable extent of new footway has been constructed. A complete stone crushing equipment has been set up and tested. Ten electric lamps of the arc class have been added during the year. A complete new Propagating House has been built and put in operation, etc.

What is true of Druid Hill Park is also true of other parks. An Observatory about 60 feet high has been erected at Patterson Park, and the Mall has been paved with asphalt blocks.

Federal Hill Park has been once more put in satisfactory condition and all settlements of the slopes repaired.

Johnston Square has been beautified at its entrance with vases, and a considerable amount of paving has been laid on the walks.

Patterson Park Extension, Carroll Park, and Collington Square being in course of construction, we can only say that work has progressed upon them satisfactorily.

In regard to contemplated improvements we can only say that we propose to make such additions and changes from time to time as seem to us desirable, and which may contribute to the enjoyment of the public —provided they are within the scope of the means at our disposal. We are pleased to report that the Park Tax has been fully paid up by all the City railways except the Highlandtown, which still owes for the last quarter of 1891.

Before closing this section of the report, we think it proper to recall the loss by death of our honored colleague, Mr. John H. B. Latrobe, by the insertion of the resolutions passed at the special meeting held on September 12th, 1891.

SPECIAL MEETING,

September 12th, 1891.

Present—Messrs. D. L. Bartlett, Gen'l J. S. Berry, G. H. Hunt, Frederick Wehr and J. C. Froehlich.

The Secretary, Gen'l John S. Berry, having stated the object of the meeting, Mr. D. L. Bartlett was called to the chair and the following resolutions were unanimously adopted:

Resolved, That this Commission has learned with profound regret and unfeigned sorrow of the death of the Hon. John H. B. Latrobe, its oldest and one of its most honored members, whose identification with this Commission from its inception to the hour of his death emphasized his public spirit and valuable services to the city he loved so well.

Resolved, That in this sad dispensation of Providence, the members of this Commission realize the loss of a wise friend and counsellor, and the community one of its best and most honored citizens.

Resolved, That this Commission attend the funeral of the deceased in a body.

Resolved, That a copy of these resolutions, suitably engrossed, be sent to the family of the deceased.

REPORT

OF THE

General Superintendent and Engineer.

BALTIMORE, December 31st, 1891.

To the Public Park Commission.

GENTLEMEN:

I beg leave to submit herein my Annual Report for all the Public Parks. For matters of detail, you are respectfully referred to the Monthly Reports.

DRUID HILL PARK.

(700 Acres.)

The amount of work laid out and executed during the past year has far exceeded that of any previous year since the original construction of Druid Hill Park. This has resulted from the increasing demands of the public, the accumulation of deferred improvements, for which during a number of years past there had been insufficient means, coupled with an increased

revenue due to the liquidation of the original Park Loan, which released the fund from a heavy interest and sinking fund charge, etc.

ACQUISITION OF PROPERTY.

The long-deferred settlement of the dispute about the Presstman lot has happily ended in a condemnation quite as favorable as we had any reason to expect, and the City now owns the property upon a basis which is independent of its future use as a Park—a contingency not likely ever to arise, but still a safeguard against any reversion. The condemnation of the strip of land from the Brooks and Callow properties is also a matter for congratulation, in view of the Eutaw Place entrance, the improvement of the Lake drive, and the short drive to Mount Royal avenue. Had this been delayed until building had begun along the south side of the Lake, it would have become impossible, or at the best, enormously expensive. This acquisition has been in abeyance for several years past and at one time seemed impossible, and, indeed, a jury of condemnation was the only way out of it.

DRIVEWAYS.

Old Newington lane has been reopened from the Fulton avenue gate to Swann avenue, making a drive 630 feet long and 30 feet wide, involving a heavy embankment, made principally from the materials excavated in widening Druid Lake drive. This improve-

ment is much appreciated by the public, and will become more so as Fulton avenue is built up, extending as it does to the extreme southwestern limit of the City and to the north gate of Carroll Park. The northwestern section of the Lake drive has been widened from 27 to 40 feet, for a distance of 1504 feet. Of this 750 feet have been Macadamized, and 1324 feet raised, regraveled, and then coated with fine broken stone. This improvement has changed a narrow, wet and boggy section of the drive into a compact and well-drained road-bed. All other drives have been kept by constant work in fair condition, but the travel has become so heavy on some of them that nothing but an extensive application of Macadam will prevent their disintegration ; notably, this is the case with the Lake drive and the Pimlico road.

FOOTWAYS.

A new footway 8 feet wide and 1625 feet long, with its branches, has been constructed from the upper Mount Royal gateway to Cedar Avenue bridge ; where it passes over the foot of the Lake embankment it is supported by a stone wall. This footway was heavily coated with gravel, and then covered with a layer of No. 4 broken stone, from the crusher, which keeps it at all times from being muddy. This footway is an important work, considering the increasing travel to and from Cedar Avenue bridge.

The footways around Frick's Triangle have been paved, and where 4-inch rough kerbing existed, it has been replaced with 6-inch cut kerking of granite.

One thousand five hundred square yards of asphalt block pavement have been laid in the six new shelters, including the J. H. B. Latrobe pavilion, consuming 32,400 blocks. In addition there have been laid of new brick pavement 590 square yards, and of new pebble pavement 1,300 square yards.

The footway along the eastern side of Druid Hill avenue, 700 feet long, has been constructed 8 feet 4 inches wide, and at this date is one-half paved, the frost preventing its completion This improvement involved moving back a row of large maples, moving in the fence, and grading, sloping and sodding the slopes. In addition to the above named new work, over half a mile of old footways have been entirely rebuilt, and where the grades demanded it have been paved either with bricks or pebbles. The other footways have been kept in order.

DRAINAGE.

Two thousand six hundred lineal feet of 18-inch terra cotta pipe and 300 feet of 18-inch cast iron pipe have been laid in connection with the improvement of the Druid Lake drive. In connection with this drain, 36 new brick inlet chambers have been built, and 24 old ones reconstructed; some of the pipe had to be buried 10 feet deep. This extensive bit of drainage

has been pressing for years; the Water Board had but one 18-inch pipe to carry off the floods from the Boat Lake valley, in consequence of which the road was always overflowed during heavy rains, the water running over into Druid Lake and carrying the road metal with it. The Water Board declined to rectify this trouble, and when the Lake drive was turned over to the Park Commission and it was decided to widen and rebuild the drive, it became necessary to remedy the evil; for several years past I have stated the trouble in my reports. The improvement has been expensive, but the water is now carried off. This new pipe line is 2,900 feet long, and cost $3,986.03, or 1.37\frac{44}{100}$ per lineal foot. In addition to the above we have laid 849 lineal feet of terra cotta pipe from 6 inches to 15 inches in diameter in various places, with necessary inlet chambers.

Ten thousand eight hundred and sixty-eight lineal feet of stone gutters from 24 inches to 32 inches wide have been built, and 3,995 lineal feet of brick gutters.

FENCING.

Six-feet picket fence built new.....	4,852	lineal	feet.
" " repaired.....	2,012	"	"
Thirty-inch guard rail built new....	13,284	"	"
" " repaired.....	1,641	"	"
Heavy guard rail built on main drive-way near Cedar Avenue bridge...	920	"	"
Sundry other fences.....	184	"	"

SUNDRIES.

One new Propagating House built, costing $4,880.70. New iron gate put up 30 feet wide at Green Spring avenue entrance.

A complete stone crushing plant has been erected with trestle approach, hoisting drum, railway and equipment; this is situated in the old stone quarry, and is entirely satisfactory.

The Boat Lake wharf has been entirely rebuilt, and Lake wall overhauled. Five new rustic foot-bridges have been built on the Philosophers' Walk and the Silver Spring pathway. One new rustic grape arbor built. The foundations for three new standard closets have been laid, and the closets are now going up.

The foundations for the new wagon shed have been completed, and the material is on the ground for the shed. Seats have been put up around the base of the Water Tower, Druid Lake. One new drinking fountain has been put up on the north side of Druid Lake. Orem's station has been moved to north side of Druid Lake, repaired and painted.

One hundred and ninety-six Park benches have been made. A large number of iron border guards have been set out to take the place of wooden hurdles.

The old Gardener's House and Propagating House have been sold and removed, and the ground leveled off for the new wagon shed.

The stone house has been completely renovated, painted inside and out, heating apparatus put in and gas introduced, ready for rental. The surroundings of the terminal station of the Traction Company, including the arrangement of the entrance gates of Druid Hill and Fulton avenues, have been much improved. Sundry other improvements are in progress.

SOUTHDOWN FLOCK.

A fine English buck was imported in the Spring of the present year, purchased through Messrs. Alexander Brown & Sons, at a cost of 40 guineas, from the flock of the Duke of Richmond and Gordon, one of the finest in England. By the periodic introduction of new blood the flock has been kept up to a very high standard, and ready sale is found for all the animals we can spare. We have sold, during the year, 18 bucks and 20 ewes, realizing $765; the ewes are only occasionally sold when it becomes necessary to reduce the size of the flock. We have lost by death, during the year, 4 bucks and 4 ewes. The present size of the flock is 84 in all, comprising 2 bucks and 82 ewes. The sheep fold is one of the most comfortable and complete that could be put up, and the animals are treated with the greatest care. Two shepherds are in constant charge.

DEER.

It is estimated that we have 150 deer in the Park, and although they are certainly destructive of all young growth unprotected by boxes, they are a very

attractive feature, especially when roaming at large over the entire park, as at present.

SHOW ANIMALS AND BIRDS.

The modest display of animals and birds at Druid Hill gives great pleasure to the public, especially to the children. The collection of the parrot family is good, and the others are good as far as they go. We have one bear left—a fine, healthy specimen. I think, however, that the pit should be remodelled as soon as possible ; it can be left where it is for that matter, and simply opened up to the sun and air. The sea lion, a splendid specimen, continues to amuse and interest the public, and is in excellent health. The food for the show animals, as indicated in the analysis of expense, cost $1,164.20 per annum, in addition to which there are two keepers.

MARYLAND BUILDING.

This building is much visited by the public, and its collections enjoyed. Two years ago we had the entire collection carefully gone over—cleaned and reclassified —as it had fallen into confusion and some decay. This building is close by the collection of animals.

PALM HOUSE.

This Conservatory is a good deal visited by the public, and with pleasure if not with profit. The collection is a good one, but the quarters are getting rather

cramped from the growth of the plants as well as the occasional addition of new specimens. The plan is to do away with the commoner plants as the space becomes crowded. The Japonicas have been placed in the annex to make room in the main house; they can also be kept cooler there.

PROPAGATING HOUSE.

This house, which was built during 1891, is entirely satisfactory, and is rapidly filling with budding plants. The furnaces are fully up to the mark. We now have the gardening force of three men and a boy concentrated at one point.

TREE PLANTING.

We have not done much planting of trees this year, and those set out have been principally to replace dead stock of last year's planting. 55 deciduous trees and 13 evergreens have been planted.

ELECTRIC LIGHTS.

There are now in the Park 28 arc lamps and 30 incandescent lamps; of these, 10 arc lamps have been added during the year. All arc lamps burn until midnight, incandescent lamps burn all night. 5 arc lamps are cut out at points where they are not needed, between November and May, whilst 2 are only used on concert nights. The cost of electric lights during the past year has been $3,641.08.

PIC-NICS.

There have been 581 pic-nics in the Park during the past season, for which permits were issued. Of those the largest comprised 1,863 persons, the smallest 153; the numbers in each case were not noted, but putting the average at 300 it would make 174,300 persons. In addition to these, many small family parties resorted to the Park to spend the day, which would largely increase the aggregate and give some conception of the use of the Park by the people at large.

ARRESTS.

Fifty arrests have been made during the year for various causes; of these 8 were dismissed, the balance paid fines aggregating $160.

PATTERSON PARK.

(56 Acres.)

This has been a year of active work in this Park, both as to new constructions and the improvement of old ones.

BUILDINGS.

The plans for the proposed Observatory having been approved by the Commission, it was let to Cornelius Sheehan, the lowest bidder, for $16,730, with whom the contract was drawn and executed. As the Ice

Cream Saloon occupied the chosen site for the Observatory, it was raised and carried bodily across the road, where it was placed on a new foundation. A large new store-room was added to it, it was neatly papered, and was painted inside and out, making a much more roomy and attractive house in its new situation than ever before. This work was completed, or nearly so, in April, and in time for the Summer trade.

As soon as the Saloon was out of the way, the foundation of the Observatory was begun, and in June the granite base was completed and the iron superstructure begun. The building from this time went on steadily but slowly, and was not finished finally until December, when it was thrown open to the public. The contractor undertook to finish it in July, but I am sure he never realized the amount of work involved, the construction being novel to him. The iron work came together remarkably well, having been previously erected at the shop, but there was a great deal of small detail, especially in the stair-case frame, which took time; the carpenters' work also was tedious. As completed, it is a most substantial and ornamental building, commanding a very fine view, especially over the harbor. The Tower is anchored by 32 heavy rods extending to the bottom of the masonry foundation. It is proposed to pave around the base with asphalt blocks to obviate the bringing in of dirt and sand on the feet of visitors. The only additions required in

the Tower itself are the closing in of the lower story and placing metal treads on the winding stairway to prevent their wearing away too rapidly.

PAVING.

In accordance with the orders of the Commission, the paving of the Mall with asphalt blocks was begun in May and continued steadily until August, when it was finally completed. The surface covered was 800x38 feet, and consumed 72,000 blocks, making about 3,400 square yards at a cost of $1.70 per yard, or $5,780 for the entire work. This is a most valuable improvement and adds very much to the enjoyment of the Park by children who visit it, constantly, for roller skating, bicycling and other amusements, beside which it is a great thoroughfare for all passing through the Park.

The new shelters were also paved with asphalt blocks inside and out, adding very much to their comfort and cleanliness.

Sixty-six square yards of asphalt block pavement were laid inside the Lombard street gateway.

Thirty-three square yards of blocks were laid at the new Eastern avenue entrance where the pathway was steep.

The floor of the Conservatory was also repaved with asphalt blocks—in part.

Two hundred and thirty square yards of brick pavement were laid in various places to prevent the wash of steep footways, etc.

DRAINAGE.

Eight hundred and twenty-eight lineal feet of terra cotta pipe were laid, varying from 4 inches to 15 inches in diameter, to take water off the surface and prevent the destruction of paths. In connection with these pipes 45 brick inlets were either built new, or reconstructed; also,

New brick guttering laid.....2,603 lineal feet.
Brick gutters relaid.....2,117 " "

FOOTWAYS.

A new footway entrance with light iron gate was made opposite Rose street on Eastern avenue, and in connection with it 200 lineal feet of new pathway 6 feet wide. About 300 lineal feet of new gravelled walks were constructed at other places. Many of the old footways were much damaged by rain storms and were entirely rebuilt and guttered.

ELECTRIC LIGHTS.

Six new electric arc lamps were added during the year, making fifteen all told in the Park; a sixteenth is in place for use when there is skating on the Boat Lake. The total cost of electric lighting during the year is $1,418.35.

SUNDRIES.

A handsome new flag pole 100 feet high was erected inside the main entrance at Lombard street, and provided with a United States flag 18 feet by 28 feet. The old pole which stood on the Battery near by was removed to Johnston Square.

Five hundred and thirty-six lineal feet of new guard rail was built.

Sixteen new Park benches, 16 feet long, were made for the shelters, and a large number of wooden benches for Concert nights. In regard to the giving of Concerts it would be well to consider the expediency of giving them in the future on the Mall, which furnishes a much better location in every way with its wide open area, and lawns on either side; the musicians could be accommodated in the Taurus Fountain Pagoda, whilst the crowd could be accommodated on the Mall, which offers a fine promenade.

CONSERVATORY.

This building and its contents are in excellent order and is a great attraction; it is full now to overflowing with plants, many of them rare.

The Propagating House has been much improved during the year, and one of the furnaces rebuilt. The nursery is well stocked with good trees and shrubs, and we are increasing the stock with a view to planting the extension.

ARRESTS.

Arrests during the year	25
Fines collected	$90

PATTERSON PARK EXTENSION.

(50 Acres.)

GRADUATION.

This work has progressed without interruption during the past year. The main embankment, from the Lake to Baltimore street, has been roughly finished with cars ; a good deal of settlement has taken place, as was to be expected. Upon the completion of this fill the track was carried around the north end of the Lake, through the gap made by the city sewer and into the western section of the extension where a large amount of earth was needed. This fill will soon be finished, and when the cars have delivered all the material needed, the track will be taken up and laid in the southwestern section, where there is still much to be done.

In addition to the work done by cars as described above, and which has always been the great bulk of the work, we have had always one and sometimes two cart forces engaged doing the lighter grading in different places and finishing up the surface when possible. In this way the Eastern avenue front has been

finished and sodded for one-half its length and rough graded all the way. At present we have two cart forces at work developing the slopes and terraces in the northwestern section.

THE LAKE.

The formation of the Lake embankment has gone on the entire season, unless stopped by rain or frost, and is now approaching completion. The labor involved is very considerable. Common material is first used to form the slope, being packed and rammed as hard as possible; upon this is placed the puddle clay which starts in a trench two feet below the Lake bottom and covers the entire slope two feet thick; it is chopped fine, laid in place, and then watered and rammed; upon this is placed the rip-rap of stone from 6 to 8 inches thick which covers the puddle completely and protects it from wash; fortunately we found all the needed clay for puddle in the bluff where our material comes from, and all the stone needed for rip-rap, otherwise the Lake could not have been built except at an impossible outlay. A great deal of this Lake work is done with wheelbarrows, of which we keep 34 on hand.

FINISHING.

As long as the weather permitted, we had a large finishing and sodding force at work, for as fast as we finish we must soil and sod the slope and sow the plats to prevent their destruction by rain. On the eastern and southern sides of the Lake the terraces have all been

finished, soiled and sodded, or sown, so that they will be covered next season with a good turf; the northeastern section is also sloped and sodded, as is a considerable area along Eastern avenue. This finishing up will be rapidly pushed in the Spring, as a large area is now ready for soil and seed. The filling in has been considerably aided by having two dumps in the extension, one for miscellaneous material which comes in all the year round, the other for City ashes during the Winter season. The Water Gate Tower has been built in the Lake during the past season to carry off the overflow when the Lake is full, and to drain it when needed. This is a handsome and substantial stone structure founded on piling. Running from it and connecting it with the City sewer is an iron pipe line 18 inches in diameter and 700 feet long. This pipe line is laid on piles through the soft ground at the south end of the Lake, until it reaches solid bottom, where it is laid in a trench as usual; it enters the sewer not far from Eastern avenue, which gives it the necessary fall. The valves will not be set in the Tower until we are ready ready to fill the Lake. Two stone inlets have been built to connect with the Osier Run branch of the sewer for surface drainage, and all man-holes have been carried up to grade.

WATER SUPPLY.

This has been brought in from Eastern avenue during the past season by a two-inch galvanized iron pipe which runs across to Baltimore street; from this main

1¼-inch pipes are laid westward at intervals of 250 feet; all are equipped with hose hydrants and stop-cocks where needed for watering purposes.

FENCING.

A substantial ribbon wire fence has been erected all along Eastern avenue, and on the eastern boundary about one third of the distance from Baltimore street to Eastern avenue, also for a considerable distance along Baltimore street. This preserves the finished slopes.

PLANTING.

Fifty-two Deciduous trees have been set out in the finished area next to Eastern avenue.

Please find below a condensed statement of work done during the past year other than graduation:

One Stone Water Tower Built.

Slopes sodded, square feet	45,463
Terraces sodded, " "	7,328
Terraces seeded, " "	66,513
Lake embankment, lineal feet	1,305
Wire fencing, lineal feet	1,195
Two-inch water pipe, lineal feet	2,381
One and one-quarter inch water pipe, lin. ft.	919
One-inch water pipe, lineal feet	13
One-inch hose hydrants	16
Iron extension boxes for waste cocks	6
Stone masonry at inlets, cubic yards	35
Brick masonry man-holes, " "	5

As our expenditure will be at the rate of about $5,000 per month, we have funds sufficient to carry us through the year 1892, which will come very near to finishing up the work, if not quite. When the last appropriation of $200,000 was made my estimate of the cost to finish was $225,000, so that if we finish for $200,000 it will be so much within the estimate. I can say with confidence that the work thus far has been done with all possible economy, and there has been no waste of money, the men have worked faithfully, and no idlers have been kept in the force.

FEDERAL HILL PARK.

(8¼ Acres.)

The great bulk of the work done on this Park during the past year has consisted in regulating the slopes, which had settled and slipped until very much out of shape, and had involved the walks in their settlement. During 1890 we had driven piles through all the slips, but had not the means to cut them off and reshape the surface. On the 27th of April work began with a force of 13 men, and was carried steadily on until all repairs to the surface was made and the force reduced gradually to its winter footing of one man in December. Every precaution has been taken to secure these uneasy slopes. Not only have piles been driven until they amount to 600 in number, but heavy frames have been

planted in many places to resist the sliding. These remedies are expensive and only partially successful, each season we have to repair the damage done by the previous winter. Those slips are confined to the northern and eastern sides of the Park, on the north side there is no remedy but constant watchfulness, as our boundary wall is on the building line of Hughes street; on the eastern side possession of the houses and lots which now jut into the Park would enable us to flatten the slopes and get rid of most of the trouble. Whenever the slopes actually cave into the tunnels which still exist in the base of the hill, the hole is filled with cinder to help drain the clay which form the cap of the hill and its sides. A great deal of block pavement which had settled with the walks was relaid. A new asphalt block pavement was laid around the Observatory, and also on the walk leading from the Observatory to the closets. These pavements were much needed for drainage, for cleanliness and for looks.

Trees and shrubs as follows have been planted in the limits of the Park: 19 oaks of different sorts, 5 tulip trees and 2 white birch; also 32 shrubs of different kinds; also 3 American arbor vitæ and 6 English yews.

In addition to the above there have been planted along the kerb line of the streets surrounding the Park as follows: 36 Carolina poplars, 40 plane trees.

The little grass plat along Covington street, between Warren avenue and Hamburg street, has been planted

with trees and shrubs. All street trees have been wrapped in wire netting to protect them.

A summary of work done will be found below:

Slopes regraded, square yards	7,287
Slopes resodded, " "	4,425
Slopes seeded, " "	2,862
New block pavement laid, square yards	397
Block pavement relaid, " "	869
Brick " " " "	40
Trenches dug 6 feet deep to bury timber.	
Anchors for slope, lineal feet	1,142
New guard fence built, lineal feet	1,278
Drain pipe laid, " "	142

This Park is now in excellent order. Next season the Observatory will have to be repainted and several flights of steps rebuilt from the streets below.

RIVERSIDE PARK.

(17½ Acres.)

The work in this Park during the past year has been principally routine, and it has been efficiently kept up with a moderate force; situated as it is, in a section of the City which possesses very few if any attractions, and next door to the Riverside Round-House and Shops of the B. & O. R. R., in the midst of dirt and

coal smoke, it is a great pleasure and resource to the population around it. It is also one of the prettiest and most attractive Parks in charge of the Commission, and possesses the most beautiful fountain in the City. A few improvements have been made during the year as follows :

The lower pavilion has been lit with gas ; water has been introduced into the stable-yard and a hydrant set up there. A light iron guard rail has been put up around the fountains for safety. Two shelters have been built in the stable-yard for carts, the old tool-house has also been removed into the stable-yard as a wagon shelter. One horse has been purchased, which, with the one already on hand, enables us to keep the lawns well mowed in Riverside and Federal Hill Parks. In addition a great deal of repairing has been done to gutters, inlets, fences, etc.

Arrests made during the year 7
Fines collected $5

COLLINGTON SQUARE.

(5.14 Acres.)

This Square being in course of construction, the work has consisted entirely of grading and sodding. Work was begun on May 2, with a force of 10 men and 3 carts, and continued until September 12, when it was

closed for want of funds. An additional amount being granted, work was resumed on September 22, and closed finally for the year on December 5. The City having graded and kerbed the eastern side of Chester street, work was begun on the lower terrace along Chester street, the slope was made, soiled and sodded, and the fence erected from Hoffman to Preston street. The material taken off on this side was hauled to the southeastern portion of the Park, where we have an extensive fill. The balance of the time was expended in roughly grading the southern side, which cannot be finished until Preston street is opened eastward from Chester, there being a heavy cut on Preston street for a considerable distance binding on the Park.

To keep the grass fresh during the Summer heat, the system of water pipes was extended and street washers put in at intervals with necessary waste cocks in iron boxes. Upon the stoppage of the work all tools not needed were stored at Patterson Park, and a watchman put in charge whose duty it is to protect the place and repair any small damage from water, etc. Two sides of the Park are now fenced in and nearly one-half is in grass. About thirty trees have been planted. The Park is in a commanding position, and will be a boon to the neighborhood, which is rapidly building up.

SUMMARY OF WORK DONE.

Picket fence built 6 feet high, lineal feet	352
Galvanized iron pipe laid, 1¼-inch diameter, lineal feet	520
Galvanized iron pipe laid, 1-inch diameter, lineal feet	305
Iron street washers put in	4
Extension iron waste cock boxes	3
Waste cock, ¾-inch	3
Slopes sodded, square feet	7,926

JOHNSTON SQUARE.

(2.58 Acres.)

This Square has been much improved during the past year, and has been kept in excellent order by the Local Superintendent, aided from time to time by additional men. Being a great thoroughfare a special appropriation was made by the Council to pave the diagonal walks and equip the entrances with flower vases. Asphalt block laying began in June with our own men, and was completed in October, a thoroughly good job and a great addition to the Square, which can now be traversed with comfort all the year round. Twenty-two vases were purchased and set up at the four entrances, which will be planted in the Spring. The flag-pole from Patterson Park was planted and a new flag purchased. All the wooden boxes around

trees on the streets binding on the square having become rotten, were removed and wire-cloth substituted.

SUMMARY OF WORK DONE.

Thirty-inch guard rail rebuilt, lineal feet	250
Drain pipe laid, 2-inch diameter, lineal feet	160
Asphalt block pavement laid, square yards	1,179
Iron flower vases set up	22
Wire-cloth tree boxes set up	69
Flag-pole erected	1
Flower beds made	5
Ivy plants set at corner	22
Arrests during the year	8
Fines collected	$5

MOUNT ROYAL TERRACES.

(2 Acres.)

These three gardens have been faithfully attended to during the past year by the Local Superintendent, with the occasional aid of an additional man when the grass was heavy.

The Pyrus Japonica hedge in the middle square having failed, it was removed and Osage Orange substituted. The object being to make these gardens attractive to the eye by planting them as far as desirable, the following additions were made during the year:

160 Rosebushes,	24 Rhododendrons,
12 Azaleas,	40 Desmodeus,
59 Evergreens,	3 Retinospora,
26 Arbor-Vitæ,	71 English Ivy.

Next season some repairs will have to be made in the Western Square on account of settlements.

CARROLL PARK.

(19.72 Acres.)

As this is the first Annual Report made on this Park, a somewhat detailed description of work done during the year is admissible as showing where the money spent has gone, and demonstrating the fact that the converting of a place already supposed to be a Park, into one actually, is almost as expensive as the improvement of open commons.

CLEANING UP.

The place and Mansion having been occupied for many years as a beer saloon and garden, had been allowed to deteriorate to a fearful extent, the accumulation of dirt and rubbish was enormous, whilst the buildings were in the most neglected condition. All rubbish and dirt was collected and disposed of by fire or otherwise, open cesspools were filled in, also an old ice-house, two pump wells were cleaned out and new pump stocks put in—there being no other water supply on the place.

BOUNDARIES.

The original boundary fences had gone to decay, and to save material had gradually been contracted towards the Mansion, until a large portion of the tract purchased by the City was open common; I had the true boundary lines retraced, and as the old fence was worthless we put up a new boundary fence so that we now have enclosed all that belongs to the Park, from Ohio avenue to Herkimer, and from Clare to Gunpowder streets.

OUT-BUILDINGS.

With the consent of the Commission, after a vain attempt to sell at a fair price, we tore down the large drinking-hall, ten-pin alley and shooting gallery on the place, and sorted and piled the lumber for sale; thus far this has realized in cash sales nearly $200, whilst we have used in repairing the Pavilion and other matters fully $125 worth, not to speak of the use it has been in scaffolding for the repairs of the Mansion; we have yet fully $100 worth on hand. There were also several small booths about the grounds which we tore down. The house standing at the Eastern Gate we moved to the plateau where the Mansion stands and turned it into a tool-house.

THE MANSION.

This venerable house, built in 1764, was far gone in dilapidation; after cleaning it, it was found to need, first, a new roof, and then a general overhauling from

top to bottom. The roof frame had to be strengthened before recovering with slate, which was thought to be the best material to use; the chimneys had to be all built also, before the new roof could go on. Most of the plastering in the house had to come down and new laths put on; all the carpenters' work had to be repaired and all doors refurnished with brass hardware. The hearths, fire-places and facings all had to be renewed in white marble, also the steps, tiling and kerbing of stone at the entrance, etc. These matters have all been attended to, and the Mansion now only needs painting to look as well as it ever did. All work done has been done in sympathy with the colonial character of the house. The renovation has cost $1,632.41, and the painting will cost $600 about, as it needs it inside and out. I have bids for this to be presented in February.

THE PAVILION.

This was even more decayed than the Mansion, being entirely of wood. We had to rebuild all the outside brick piers (32 in number), repair the sills and joists, relay a considerable portion of the floor, patch the posts, roof sheathing and cornice, and relay two-thirds of the roof with new tin. This has cost about $800. This building needs painting also, which will cost about $250.

GROUNDS.

The improvement of the ground has gone steadily on all the season. The old terraces to the south of the house have been regulated and extended to a natural

junction with the hillside to the westward; the old inclined walks connecting the different terraces have been rebuilt with easier grades; new walks have been constructed, guttered and drained; three flights of steps have been built between the Mansion and the south pump. Communicating paths have been built between the south terraced garden and the Pavilion. To the north of the Mansion the lawn has been repaired, flower beds laid out, etc. The Mall also has been regraded, and we are now shifting the good trees to each side of it. An 8-foot walk has been carried from the Pavilion to the northwest entrance, at the Monroe Street bridge, whilst a broad walk has been opened around the Pavilion. Many other matters have been done too tedious to mention. Mr. Seybold has shown intelligence and activity, and has learned much. Water became so scarce, during the hot weather, in the pump wells, that, with the consent of the Commission, I had the Water Board carry a 3-inch main from Eagle street into the Park, which supplies us now with water. Large amounts of gravel for walks and roads were hauled from the Carroll property to the southward, we doing the hauling, but getting the material free; 53 worthless trees have been cut down on the place and are not missed. No new tree planting has been attempted yet, although much must be done as soon as we can shape up the outlying commons now enclosed in our boundary fence.

SUMMARY OF WORK DONE.

Six-feet picket fence built, lineal feet	3,160
Drain pipe laid, lineal feet	312
Guard fence built, " "	887
New paths made and graveled, lineal feet	3,136
Mall, lineal feet	223
Brick gutter laid, lineal feet	1,057
Sodding done, square yards	3,280
Seeding " " "	5,400
Inlets built	11
Pumps erected	2

OUT-BUILDINGS TORN DOWN.

Mansion entirely renovated.
Pavilion " "

A large amount of work still remains to be done in this Park to develop its capacities and put it in shape.

In closing this account of work accomplished in the Public Parks during the year 1891, I must render just tribute to the faithfulness, industry and intelligence of the Local Superintendents, and I congratulate the Commission on possessing so reliable a body of officers. My plan is to hold each responsible for his own charge and not to interfere with his management as long as it is just and right and yields proper results.

It is hardly worth while to go minutely into a description of projected improvements for the coming

year in the various Parks, several are now in the hands of committees, others are named in course of the report, and still others will suggest themselves as time passes.

Respectfully submitted,

C. H. LATROBE,

General Superintendent and Engineer.

INVENTORY OF PROPERTY AT DRUID HILL PARK, 1891.

Buildings.

Mansion House,
Local Superintendent's House,
Palm House,
Maryland Bulding,
General Superintendent's Office,
Filtering House,
Repair Shop,
12 Water Closets,
Stone Dwelling,
Monkey and Bird House,
Propagating House,
Sheepfold and Mule Shelter,
Hatching House,
13 Shelters,
Barn and Wagon Shed.

Work Animals.

16 Mules, 7 Horses.

Southdown Flock.

2 Bucks, 82 Ewes.

Show Animals.

3 Camels,
1 Puma,
3 Red Foxes,
1 Wild Cat,
9 Prairie Dogs,
7 Monkeys,
5 White Cockatoos,
5 Green Parrots,
22 Mixed Birds,
6 Paroquets,
6 Wild American Geese,
2 Common Ducks,
3 Macaws,
2 Golden Pheasants,
1 Sea Lion,
1 Badger,
1 Raccoon,
1 Bear,
1 Ant Eater,
4 English Rabbits,
4 Rose Cockatoos,
4 Gray Parrots,
1 Raven,
1 Crane,
1 Red-Head Duck,
1 Patagonia Hen,
2 Bald Eagles,
1 Gray Eagle.

INVENTORY OF PROPERTY AT PATTERSON PARK, 1891.

Buildings.

1 Conservatory,
4 Pavilions,
1 Barn and Wagon Shed,
1 Residence,
1 Boat House,
4 Water Closets,
1 Propagating House,
1 Ice-Cream Saloon,
1 Carpenter Shop,
1 Observatory,
1 Ice House.

Work Animals.

3 Horses.

Show Animals.

2 Macaws, 3 Peafowls, 1 Cockatoo.

INVENTORY OF PROPERTY AT PATTERSON PARK EXTENSION, 1891.

Buildings.

Tool House,
2 Shelters,
Gate-House Tower,
Blacksmith Shop,
Water Station,
2 Closets.

INVENTORY OF PROPERTY AT FEDERAL HILL PARK, 1891.

Buildings.

Observatory, Tool House, Water Closet.

INVENTORY OF PROPERTY AT RIVERSIDE PARK, 1891.

Buildings.

2 Pavilions,
Tool House,
2 Water Closets,
Office,
3 Wagon Sheds.

INVENTORY OF PROPERTY AT COLLINGTON SQUARE, 1891.

Buildings.

Tool House,
Closet.

INVENTORY OF PROPERTY AT JOHNSTON SQUARE, 1891.

Buildings.

Tool House and Furniture.

INVENTORY OF PROPERTY AT MT. ROYAL TERRACES, 1891.

Buildings.

Tool House and Furniture.

INVENTORY OF PROPERTY AT CARROLL PARK, 1891.

Buildings.

Mansion,
Tool House,
Pavilion,
Water Closet.

REPORT OF THE TREASURER.

DRUID HILL PARK.

Expenditures—Year Ending December 31, 1891.

Pay Rolls	$49,037 53
Food for Show Animals	1,086 40
Office Expenses	403 35
Repairing Park and Lawn Machinery	256 42
New Park and Lawn Machinery	2,305 00
Horse-Shoeing	449 50
Food for Work Animals	2,112 84
Repairing Wagons, Carts, etc	195 66
Harness and Repairs	198 50
Tools and Hardware	507 37
Gas Lighting	72 86
Lumber, Bricks, Cement and Stone	8,473 67
Fuel	774 91
Bricklaying, etc	5,030 11
Masonry	1,190 37
Roofing and Spouting	236 71
Sand, Gravel, etc	3,227 88
Trees, Shrubs and Plants	565 55
Paints and Painting	2,551 73
Plumbing and Iron Work	1,489 49
Electric Lighting	3,641 08
Drain Pipe	1,482 02
Fertilizers	498 00
Presstman Condemnation	1,500 80
Shelter Pavilions	5,803 50
New Wagons, Carts, etc	567 00
Propagating House	5,064 10
Double Iron Gate	1,350 00
Miscellaneous Expenses	5,104 04
	$105,176 39

PATTERSON PARK.

Expenditures—Year Ending December 31, 1891.

Pay Rolls	$12,354 11
Food for Show Animals	34 39
Tools and Hardware	111 69
Repairing Park and Lawn Machinery	118 93
Fuel	349 75
Food for Work Animals	232 97
Horse-Shoeing	35 88
Lumber, Bricks, Cement and Stone	6,888 01
Trees, Shrubs and Plants	250 53
Fertilizers	24 00
Plumbing and Iron Work	826 30
Drain Pipe	158 08
Paints and Painting	443 52
Electric Lighting	1,418 35
Repairing Wagons, Carts, etc	120 43
Office Expenses	9 17
Gas Lighting	110 76
Harness and Repairs	23 15
Bricklaying, etc	871 30
Shelter Pavilions	2,321 40
Observatory	14,199 38
Roofing and Spouting	62 50
Miscellaneous Expenses	1,044 27
	$42,008 87

CARROLL PARK.

Expenditures—Year Ending December 31, 1891.

($5,000 appropriated by the Mayor and City Council.)

Pay Roll	$5,700 46
Fertilizers	115 00
New Pumps, etc	160 50
Lumber	1,303 46
Paints, Oils, etc	114 49
Tools, Hardware and Machinery	399 56
Sand, Bricks and Cement	363 76
Erecting Fences	168 00
Bricklaying and Plastering	736 24
Grass Seed	27 12
Roofing and Spouting	777 62
Plumbing and Drain Pipe	527 93
Rubber Hose	82 25
Signs	59 60
Chairs	20 00
Marble Mantel Work	154 50
Repairing and Resetting Range	35 00
Miscellaneous	82 50
	$10,827 99

RIVERSIDE PARK.

Expenditures— Year Ending December 31, 1891.

Pay Roll	$2,776 01
Horse Feed	197 62
Tools and Hardware	79 18
Repairing Cart, etc	68 25
Bricks, Sand and Cement	77 20
Paints, Oils, etc	95 28
Cart Shed	130 00
Plants	14 70
Lumber	172 27
Plumbing and Wire Work	166 84
Horse and Harness	266 65
Horse-Shoeing	32 05
Ice	43 09
Chairs	20 00
Coal	5 10
	$4,144 24

FEDERAL HILL PARK.

Expenditures—Year Ending December 31, 1891.

Pay Roll	$3,633 60
Tools and Hardware	81 51
Plants	9 50
Paints, Oils, etc	36 35
Plumbing	69 21
Lumber	624 61
Asphalt Blocks	544 00
Bricks and Cement	29 85
Ice	43 09
Chairs	20 00
Wire Work	44 42
Coal	5 10
Miscellaneous	40 50
	$5,181 74

COLLINGTON SQUARE.

Expenditures—Year Ending December 31, 1891.

Pay Roll	$3,797 53
Top Soil	220 14
Lumber	36 03
Tools and Hardware	43 34
Plumbing	131 60
Blasting Powder	52 75
Sodding, etc	26 84
	$4,308 23

JOHNSTON SQUARE.

Expenditures—Year Ending December 31, 1891.

($1,500 appropriated by the Mayor and City Council.)

Pay Roll	$ 939 74
Asphalt Blocks	1,029 60
Tools and Hardware	44 79
Vases, etc	493 00
Plumbing and Drain Pipe	10 10
Lumber and Sand	78 04
Wire Work	82 35
Paints, etc	25 35
Fertilizers, Plants, etc	89 30
Flag and Erecting Pole	107 85
Miscellaneous	7 90
	$2,908 02

MT. ROYAL TERRACES.

Expenditures—Year Ending December 31, 1891.

Pay Roll	$599 02
Tools and Hardware	19 40
Plants	239 05
Sand, etc	2 50
Wire Screen	5 00
	$864 97

PATTERSON PARK EXTENSION.

Expenditures—Year Ending December 31, 1891.

Balance due Park Board January 1, 1891		$131,160 21
Sale of Material		8 30
		$131,168 51
Pay Roll	$59,555 22	
All other Expenses	10,459 87	70,015 09
Balance		$61,153 42

ACQUISITION OF LAND, DRUID HILL PARK.

(Paid from Sinking Fund.)

Presstman Heirs	$33,925 00
Brooks Estate	21,987 00
Callow Estate	500 00
Court Costs, Jury and Condemnation Expenses	2,982 98
	$59,394 98

BALANCE SHEET.

Year Ending December 31, 1891.

		Dr.
To	Interest on Patterson Park Extension Loan	$ 8,000 00
"	Druid Hill Park	105,176 39
"	Patterson Park	42,008 87
"	Carroll Park	5,700 70
"	Riverside Park	4,144 24
"	Federal Hill Park	5,181 74
"	Collington Square	4,308 23
"	Johnston Square	1,410 90
"	Mt. Royal Terraces	864 97
"	Harlem Park	4,000 00
"	Eutaw Place Squares, 1st Division	2,000 00
"	" " " 2d "	2,000 00
"	Mt. Vernon Squares	1,200 00
"	Park Place Squares	750 00
"	Broadway Squares, 1st Division	3,800 00
"	" " 2d "	2,300 00
"	" " 3d "	5,230 00
"	Madison Square	3,380 00
"	Lafayette Square	1,815 00
"	Franklin Square	1,500 00
"	Jackson Square	1,500 00
"	Wilkens Avenue Squares	2,500 00
"	Perkins Spring Square	1,300 00
"	Eastern City Fountain	1,500 00
"	Ashland Square	150 00
"	Mt. Royal Avenue Squares	3,200 00
"	Union Square	1,050 00
"	Taney Place Squares	300 00
"	Fulton Ave. Squares and Baker Circle,	2,694 00
"	Balance	13,494 59
		$232,459 63

BALANCE SHEET.

Year Ending December 31, 1891. CR.

By Balance due Park Board Jan. 1st, 1891..	$53,264	65
" Baltimore City Passenger Railway Co...	75,986	98
" Baltimore Traction Company.....	41,556	66
" North Baltimore Railway Company....	23,286	16
" Union Passenger Railway Company....	21,625	32
" Central Railway Company.....	10,011	52
" Highlandtown and Point Breeze Railway Company.....	1,283	46
" North Avenue Electric Railway Comp'y,	1,166	54
" Rent of Mansion House, Druid Hill Park,	1,500	00
" Boat Privilege, Druid Hill Park.....	300	00
" Fines, Druid Hill Park.....	160	00
" Sale of Wool, Druid Hill Park.....	110	40
" Privilege of Swings, Druid Hill Park...	50	00
" Privilege of Ponies, Goats, etc., Druid Hill Park.....	75	00
" Sale of Benches, Druid Hill Park.....	42	00
" Rent of Stone Dwelling, Druid Hill Park,	250	00
" Sale of Wood, Druid Hill Park.....	128	50
" Sale of Sheep, Druid Hill Park.....	765	00
" Sale of Old Buildings, Druid Hill Park,	50	00
" Rent of Saloon and Boat Privilege, Patterson Park.....	500	00
" Privilege of Swings, Patterson Park....	40	00
" Fines, Patterson Park.....	90	00
" Rent of Observatory, Federal Hill Park,	100	00
" Sale of Old Iron, Federal Hill Park....	2	08
" Sale of Old Iron, Riverside Park.....	7	65
" Fine, Riverside Park.....	5	00
" Sale of Material, Carroll Park.....	70	71
" Sale of Material, Collington Square.....	19	50
" Sale of Material, Johnston Square.....	7	50
" Fine, Johnston Square.....	5	00
	$232,459	63

Respectfully submitted,

D. RAYHICE, *Treasurer.*

ANNUAL REPORT

— OF THE —

TRUSTEES

— OF THE —

McDONOGH FUND

— TO THE —

MAYOR AND CITY COUNCIL OF BALTIMORE,

JANUARY 1892.

BOARD OF TRUSTEES.

1891.

OFFICERS.

SAMUEL H. TAGART.....PRESIDENT.
WILLIAM A. STEWART.....VICE-PRESIDENT.
GERMAN H. HUNT.....SECRETARY.
SAMUEL H. TAGART.....TREASURER BARNUM BEQUEST.

TRUSTEES:

WILLIAM A. STEWART..... 212 North Charles street.
SAMUEL H. TAGART..... 16 East Lexington street.
DAVID L. BARTLETT..... 205 East German street.
GERMAN H. HUNT..... 14 South street.
ENOCH G. HIPSLEY..... Old Town Bank.
WILLIAM KEYSER..... 205 East German street.
JULIAN LEROY WHITE..... 18 Mount Vernon Place.

STANDING COMMITTEES:

W. A. STEWART, G. H. HUNT, J. LER. WHITE..Finance.
D. L. BARTLETT, WM. KEYSER.....Education.
G. H. HUNT, D. L. BARTLETT, J. LER. WHITE..Barnum Bequest.
D. L. BARTLETT, G. H. HUNT.....Buildings.
E. G. HIPSLEY, WM. KEYSER.....Farm and Lands.
G. H. HUNT, WM. KEYSER.....Housekeeping and Supplies.

The President of the Board is chairman of each of the standing committees.

REPORT OF THE PRESIDENT

OFFICE OF THE

McDONOGH EDUCATIONAL FUND AND INSTITUTE,

BALTIMORE, March 29th, 1892.

To the Honorable the Mayor and
City Council of Baltimore.

GENTLEMEN:

The pen which for the last eighteen years has written the reports from this department of the City government has dropped from the grasp which so long held it, and it now becomes the duty of another to inform you what progress and changes have taken place in the school and on the farm since the previous report.

The late president, Samuel H. Tagart, at a ripe old age, passed away peacefully on the morning of March 19th, 1892. The death of his wife, which had occurred on May 6th, 1891, less than a year ago, left him almost solitary and alone, the last survivor of a once numerous family. Born and educated in Baltimore county, within a short distance from the McDonogh farm, he found towards the close of his long and active life a

peculiar pleasure in visiting the scenes of his early years; in worshiping in the temple in which in his days of boyhood he had been instructed in his duty towards his God and his neighbor, and around which repose the remains of his parents, and many others, who, in life, were near and dear to him; and in visiting the school, and saying a kind word to the boys, in the success of every one of whom he felt a kindly interest.

Both the temple of God and the school of learning, have been, in life and death, recipients of his bounty. The McDonogh School, which he has named as his residuary devisee and legatee, will probably receive from his estate the munificent sum of two hundred thousand dollars; and entwined with the name of McDonogh the name of Tagart will go down to posterity, as one who loved to do good to his race.

The name of Robert Garrett has disappeared from the list of Trustees, by resignation, and the place has been supplied by the election of Julian Le Roy White.

It is very gratifying to state, that the ordinance No. 157, passed by your Honorable Body, and approved by the Mayor on July 14th, 1890, has assured a permanent and steady income for the support of the school. There is nothing more disheartening to the agents of a public trust, who are endeavoring to perform their duties in a faithful manner, than to find their sources of revenue so fluctuating as not to be depended upon

in the hour of need. The fears for the future, which your action has dispelled, will no longer cloud the efforts which the Trustees are ever making to extend the usefulness of the institute under their charge.

The number of pupils receiving the benefit of the school last year was one hundred ; this year the number is one hundred and ten ; and in the future it will be increased to the greatest extent which the income of the trust fund will allow. The acquisition of the devise of Mr. Tagart will greatly enlarge the usefulness of the school, and with the bequest of the late Dr. Barnum, which is devoted to mechanical pursuits, will supplement the main design of Mr. McDonogh.

In August of the past year the first symptoms of serious sickness on the part of a number of the boys began to appear, and investigation proved that typhoid fever in a mild form had developed in the school. Dr. Campbell, the physician to the school, was unremitting in his attentions to those who were sick ; but, in addition to his efforts, the trustees requested Dr. C. W. Chancellor, Secretary of the State Board of Health, and Doctors Osler, Welch and Nuttall, of the Johns Hopkins Hospital, to visit the school and inspect the house and grounds, with a view to ascertain the cause of the fever, and to make such suggestions as in their opinion would improve the sanitary condition of the premises. The gentlemen cheerfully complied with the request. Without knowing the origin or immediate cause of the disease, it was thought advisable to

suspend the operations of the school for a season, and the boys were allowed to return to their homes and their friends, until investigation should prove that there was no further danger to be apprehended.

On Founder's Day, November 21st, 1891, the absent boys returned, and on the 23d of the month the session of the school was resumed, and has continued without interruption and without further apprehensions of typhoid fever.

Early in January, just after the return of the boys to the school from the Christmas holidays, several cases of scarlatina made their appearance. Prompt isolation and disinfection prevented any considerable spread of the disease, which has now been thoroughly banished from the school.

It is to be regretted that two deaths occurred among the boys—their delicate constitutions not being able to withstand the ravages of the fell destroyer.

The financial statement of the trust committed to the care of the Board is herewith appended, by which it may be seen that the fund is in a healthy condition.

The farm furnishes employment for the pupils during a part of the year. The exercise is healthful; the labor bestowed upon mother earth gives back in strength of body and vigor of intellect much more than it receives in muscular exertion. The best type of manly strength and enlarged statesmanship in this country

can be found among those whose early days have been spent in turning up the sod, and sowing and planting life-giving grain. It is in a great measure due to the exercise in the open air, combined with their close application to their studies, that the McDonogh boys are recognized wherever known, as useful and intelligent citizens, on whom the State can rely in all emergencies which may arise.

Yours very respectfully,

WM. A. STEWART,

Vice-President.

Test: GERMAN H. HUNT,

Secretary.

REPORT OF THE FINANCE COMMITTEE.

BALTIMORE, January 1st, 1892.

To the Trustees of the McDonogh
Educational Fund and Institute.

GENTLEMEN :

The following is a statement of Receipts and Disbursements of the McDonogh Fund from January 1st, 1891, to December 31st, 1891.

RECEIPTS.

Cash on hand as shown by last report.....	$ 3,749 98
Interest on City Stocks.....	39,810 00
Interest from Baltimore Trust and Guarantee Company.....	225 27
From Stone Quarry—Leased.....	106 65
Louisiana Land and Lumber Co., on account.....	4,625 00
Sales of Live Stock.....	600 00
Sales of Farm Implements.....	450 00
Sales of Garden Products.....	363 64
	$49,930 54

Receipts brought forward.....			$49,930 54

DISBURSEMENTS.

Fees of Counsel in New Orleans..		$3,211 00	
Loan to open Quarry—on note of Weber and Klohr.....		1,000 00	
Portrait of Col. Allan, by Dabour		750 00	
Insurance on Buildings to Nov. 27th, 1896.....		459 00	
W. M. R. R. Transportation....		32 80	
Expenses of The Trust.....		1,350 50	
Deposit with Balto. Trust and Guarantee Company.....		10,225 27	
		$17,028 57	
Repainting School Building.....	$762 00		
Repairs of Stone Porch	335 23		
Paving County Road,	300 10		
On account of Farm..	134 83		
For Expense of Tuition.....	4,681 02		
For Expense of House and Lodging.....	4,080 03		
For Expense of Subsistence.....	9,827 57		
For Expense of Clothing.....	3,817 40		
		23,938 18	
Amounts carried forward.....		$40,966 75	$49,930 54

Receipts brought forward.....			$49,930 54
Disbursements brought forward,	$40,966 75		
For Construction and Repairs.....	816 57		
For Medical Attendance.....	447 16		
For Library and School Apparatus.....	74 19		
For Office Stationery	26 29		
For General Expenses,	281 85		
		1,646 06	
			42,612 81
Balance of Cash on hand.....			$7,317 73

The following statement shows how the McDonogh Fund is now invested, and the present value of the Trust:

BALTIMORE CITY STOCK.

Defence Loan of 1893, interest at 6 per cent., payable March 1st and September 1st.....	$210,000 00	
Exempt Loan of 1893, interest at 6 per cent., payable March 1st and September 1st.....	70,000 00	
Amount carried forward....	$280,000 00	

Amount brought forward...	$280,000 00
Funding Loan of 1900, interest at 6 per cent., payable January 1st, April 1st, July 1st and October 1st.....	85,200 00
Funding Loan of 1916, interest at 5 per cent., payable May 1st and November 1st.....	310,000 00
Jones' Falls Loan of 1900, interest at 5 per cent., payable February 1st, May 1st, August 1st and Nov. 1st,	30,000 00
City Hall Loan of 1902, interest at 6 per cent., payable January 1st, April 1st, July 1st and October 1st,	1,800 00
Western Maryland Loan of 1902, interest at 6 per cent., payable January 1st and July 1st.....	1,500 00
Consolidated Loan of 1930, interest at 3½ per cent., payable January 1st and July 1st.....	20,000 00
Amount carried forward	$728,500 00

Amount brought forward		$728,500 00
REAL ESTATE.		
McDonogh Farm and Improvements	$127,500 00	
Payments on account of Real Estate in Louisiana	9,883 61	
New School Buildings	174,883 19	
		312,266 80
PERSONAL PROPERTY.		
Live Stock on McDonogh Farm	$4,300 00	
Household Furniture and Material	3,500 00	
Library, Furniture and Instruments	1,500 00	
Farming Implements	2,550 00	
		11,850 00
Bills Receivable	1,000 00	
Deposit Baltimore Trust and Guarantee Company	10,225 27	
Amount of Cash on hand	7,317 73	
		18,543 00
Present Value of the Trust		$1,071,159 80

In addition to the real estate, stocks, etc., already enumerated, the Trust owns the following properties in the State of Louisiana :

ST. JAMES PARISH.

A tract of 10,000 acres about fifty-five miles north of New Orleans on the eastern bank of the Mississippi, situated in the parish of St. James. In 1859 the joint commissioners who made the partition between New Orleans and Baltimore appraised this property at $75,000, and it was charged to Baltimore at that appraisement. In the report of the former agents, in 1860, they, however, spoke of this tract as "low swamp land probably of no great value."

LIVAUDAIS TRACT.

A one-half undivided interest with New Orleans to 177 arpents of land lying in the rear of the city of New Orleans, known as the "Livaudais Tract." The partition of this tract has never been made so as to ascertain the respective rights of the parties in and to the same, and the suit is still pending in regard to it. It is alleged New Orleans holds possession of a portion of this which belongs to Baltimore.

ST. BERNARD AND ORLEANS PARISHES.

A small tract in the rear of Versailles, parishes of St. Bernard and Orleans, bought in by Baltimore under a judgment in its favor, at $280.

ST. BERNARD PARISH.

One hundred and eighty-five squares of ground in the rear of Versailles, parish of St. Bernard, sold in 1859 to W. Dunbar for $2,000, but not paid for.

NEW ORLEANS.

Twenty-four certain lots of ground situated in the city of New Orleans, in square known as No. 370, bounded by Toulouse, White, Saint Peter, and Duprez streets, said property having been bought in by Baltimore at a tax sale, 5th of October, 1875, for $138.85, it having been sold for payment of taxes due by J. O. Theard, a debtor to Baltimore. Property assessed at $2,000.

The books of account containing the various items embraced in the foregoing statements were duly balanced on 31st ultimo, and the Committee now present for your examination a Balance Sheet of the Trust Ledger, showing the investments of the Trust Funds on January 1st, 1892.

DR. BALANCE SHEET. CR.

Baltimore City Stocks..	$728,500 00	McDonogh Trust F'd	$1,071,159 80
McDonogh Farm.....	127,500 00		
Real Estate Louisiana..	9,883 61		
New School Buildings..	174,883 19		
Live Stock on Farm....	4,300 00		
Household Furniture....	3,500 00		
Library and Instruments	1,500 00		
Farming Implements....	2,550 00		
Bills Receivable.....	1,000 00		
Balto. Trust & Guar. Co.	10,225 27		
Cash.....	7,317 73		
	$1,071,159 80		$1,071,159 80

Respectfully submitted,

S. H. TAGART,
GERMAN H. HUNT,

Finance Committee.

STATE OF MARYLAND, *City of Baltimore, sct:*

I hereby certify that on this 7th day of January, A. D. 1892, personally appeared before me, a Justice of the Peace in and for the City and State aforesaid, Samuel H. Tagart, President of the Board of Trustees of the McDonogh Educational Fund and Institute, German H. Hunt, the Secretary thereof, and D. L. Bartlett, one of the Trustees thereof, and did each make oath in due form of law, that the matters stated in the foregoing Reports are true, to the best of their knowledge and belief.

Sworn before

FRANK deS. BENZINGER,

Justice of the Peace.

THE ZENUS BARNUM BEQUEST,

BALTIMORE, January 1st, 1892.

To the Trustees of the
McDonogh Educational Fund and Institute.

GENTLEMEN:—The undersigned, Treasurer of the fund created by the will of Zenus Barnum, deceased, hereby reports that the Receipts and Disbursements from January 1, 1891, to January 1, 1892, have been as follows:

RECEIPTS.

Cash on hand as shown by last report.....	$1,799 80
Ground Rent.....	300 00
Dividends.....	265 20
Coupons Paid.....	2,695 00
Interest on City Stock.....	1,470 00
Interest on Baltimore and Ohio Railroad Preferred Stock.....	150 00
	$6,680 00

DISBURSEMENTS.

Circuit Court Fees.....	$ 2 00	
For Box Rent at Baltimore Trust and Guarantee Co.....	20 00	
For Expenses of Printing Office.....	512 31	
For Expenses of Barnum Shops.....	722 10	
		1,256 41
Balance of Cash on hand.....		$5,423 59

The following is a list of the securities now held for the benefit of this Bequest:

$30,000 Baltimore City Stock of 1939, interest at 3½ per cent, payable January 1 and July 1.

7,000 Baltimore City Stock of 1900, interest at 6 per cent., payable quarterly.

8,000 Georgia, Carolina and Northern Railroad bonds, due 1929, interest at 5 per cent.

6,000 Virginia and Tennessee Railroad bonds, due 1900, interest at 8 per cent.

$6,000 Georgia Pacific Railroad bonds, due 1922, interest at 6 per cent.

5,000 Ohio and Mississippi Railroad bonds, Springfield Division, due 1905, interest at 7 per cent.

5,000 Louisville, Evansville and St. Louis Railroad bonds, due 1939, interest at 5 per cent.

5,000 City of Lynchburg bonds, due 1916, interest at 5 per cent.

3,000 Western Maryland Railroad bonds, guaranteed, due 1900, interest at 6 per cent.

3,000 Northern Central Railroad bonds, due 1900, interest at 6 per cent.

1,000 Pittsburgh and Connellsville Railroad bonds, due 1898, interest at 7 per cent.

80 Shares Maryland Fire Insurance Company Stock, par $5.

25 Shares Baltimore and Ohio Railroad Preferred Stock, par $100.

60 Shares Firemen's Insurance Company of Baltimore Stock, par $18.

6 Shares Girard Fire and Marine Insurance Company of Philadelphia Stock, par $100.

In addition to the bonds and stocks above enumerated the Trust owns a sub-ground rent on property on Fort avenue, Baltimore, yielding $300 per annum.

Respectfully,

S. H. TAGART,

Treasurer.

ANNUAL REPORT

— OF THE —

HEALTH DEPARTMENT

— OF THE —

CITY OF BALTIMORE,

— TO THE —

Mayor and City Council of Baltimore,

— FOR THE —

Fiscal Year Ending December 31st, 1891.

OFFICERS AND EMPLOYEES

OF THE

BOARD OF HEALTH OF THE CITY AND PORT OF BALTIMORE,

FOR THE YEAR 1891.

BOARD OF HEALTH.

HON. F. C. LATROBE, Mayor.
Member ex-officio.

JAMES F. McSHANE, M. D.,
President, Commissioner of Health, and Registrar.

H. L. SPICER, M. D.,
Assistant Commissioner of Health.

A. ROBERT CARTER,
Secretary of the Board of Health.

SIDNEY O. HEISKELL, M. D.,
Resident Physician at the Quarantine Hospital of the Port of Baltimore.

GEORGE C. VANSANT, *Assistant Secretary of the Board of Health.*
JOHN W. LEE, *Inspector of Plumbing.*
V. BURGESS HINES, *Permit Clerk.*
HARRY C. ANDREWS, *Nuisance Clerk.*
JOHN T. SCHROEDER, *Clerk to Registrar.*
JOHN T. NOLAN, *Recorder of Births.*
MONTGOMERY LAWRENCE,
Assistant Permit and Assistant Registrar's Clerk.

Sanitary Inspectors:

JOSEPH V. FITZPATRICK, HENRY M. McKEWEN,
JOHN E. DURDING, JOHN LONG,
JOHN M. DeGOEY, GEORGE N. LEWIS,
R. T. PENNINGTON.

Superintendents of Sewers:

HENRY PAFF, *Eastern District.* MARK F. GORMAN, *Western District.*

Superintendents of Public Cemeteries:

GEORGE RINEHART, *Eastern.* GEORGE E. BROWN, *Western.*

Superintendents of Night Soil Dumps:

DENNIS HEALY, *Inspector of Drains.*
JAMES QUINN, *Superintendent No. 1, Foley's Wharf.*
CHARLES F. RINGGOLD, *Superintendent No. 2, Winans' Wharf.*
JOHN J. KERNAN, *Assistant Superintendent No. 2, Winans' Wharf.*
JOHN G. SULLIVAN, *Detective.* W. H. BLONDELL, *Messenger.*

CITY ANNEX.

Sanitary Inspectors.

D. S. WILLIAMS, M. D.. W. P. KERNS, *Twenty-first Ward.*
R. E. LEE HALL, M. D., LEWIS A. THOMAS, *Twenty-second Ward*

VACCINE PHYSICIANS.

First and Second Wards:
N. L. DASHIELL, JR., M. D., 700 South Broadway.

Third and Fourth Wards:
C. F. MAGUIRE, M. D., 111 South Exeter street.

Fifth and Sixth Wards:
JOHN DAVIS, M. D., 202 North Chester street.

Seventh and Eighth Wards:
J. B. SAUNDERS, M. D., 819 East Chase street.

Ninth and Tenth Wards:
AUGUST HORN, M. D., 619 West Mulberry street.

Eleventh and Twelfth Wards:
T. P. McCORMICK, M. D., 1421 Eutaw Place.

Thirteenth and Fourteenth Wards:
J. C. WUNDER, M. D., 1303 Hollins street.

Fifteenth and Sixteenth Wards:
JOSEPH BLUM, M. D., 641 Columbia avenue.

Seventeenth and Eighteenth Wards:
HENRY STARK, M. D., 1110 Hanover street.

Nineteenth and Twentieth Wards:
M. K. WARNER, M. D., 901 North Stricker street.

CITY ANNEX.

Twenty-first Ward:
J. B. MULLINS, M. D., 931 Frederick avenue, Carroll P. O.

Twenty-second Ward:
H. G. PRENTISS, M. D., Waverly avenue, Waverly P. O.

REPORT

—OF THE—

Commissioner of Health.

REPORT.

To the Honorable the Mayor and
City Council of Baltimore.

GENTLEMEN:

I have the honor to submit herewith the report of the work performed by this department for the year ending December 31st, 1891.

TOTAL DEATHS AND DEATH RATES.

The total number of deaths reported during the year is 10,073, of which 7,838 were white persons and 2,235 colored. A decrease of 125 as compared with 1890. A more marked decrease would have been shown, except for the invasion of epidemic influenza, which made its appearance in the latter six weeks of the year and largely contributed to the mortality.

The death rate for the year is 22.13 per thousand population, the death rate for the whites being 20.41 and the colored 31.48. This is a slight decrease of .28 per thousand.

The ratio of deaths of children under five years of age to the total mortality was 38.81 per cent., or 1.56 per cent. less than for the year 1890.

There were 1,235 deaths of persons above 70 years of age, showing large proportion of age decedents.

MORTALITY FOR CERTAIN DISEASES.

Consumption. The deaths from consumption numbered 1,073, a decrease of 176 as compared with the mortality from same cause for the year 1890.

Pneumonia. The deaths from pneumonia were 4 less than for the preceding year.

Diphtheria and Croup. The total number of deaths from these two diseases was 394, an increase of 75 over the year 1890.

Scarlet Fever. In this disease a decided increase has occurred, there being 128 deaths reported from this cause, whereas 42 deaths were reported in the preceding year.

Whooping Cough. This disease caused 103 deaths, a slight increase over the year 1890.

Measles. 16 deaths were reported from measles, a decrease of 232 as compared with 1890.

Small-pox. No case occurred during the year. Fortunately our City has enjoyed an entire immunity from small-pox for a number of years.

Typhoid Fever. A marked decrease is shown in the mortality from this cause during the past year, 150

deaths being reported, a decrease of 97 as compared with the preceding year.

Cholera Infantum. 531 deaths were reported from this cause, or an excess of 24 over that of 1890.

Total zymotic diseases, including among these consumption and pneumonia, was 3,888 or 38.59 per cent. of the total deaths. This is a decrease of 523 or 4.26 per cent. as compared with the preceding year.

BIRTHS.

The total number of births was 9,339, of which 8,238 were white and 1,101 colored. It is a matter of great regret that all births are not reported. It is almost impossible to obtain proper evidence to prosecute for failure on the part of physicians and midwives to report as required by law.

REPORTS OF INFECTIOUS DISEASES.

It is gratifying to state that the increasing recognition on the part of the intelligent public, of the necessity of employing proper measures for the restriction and prevention of contagious and infectious diseases, is becoming more evident. In many instances a hearty co-operation is given the department in its efforts to prevent the spread of infection.

The number of cases of infectious diseases reported during the year was 2,966. Every case was inspected by this department, and a great number of sanitary defects discovered and corrected.

The total number of inspections of premises for infectious diseases was 2,931.

The work of disinfecting and fumigation of premises wherein infectious disease existed has been performed most thoroughly, and the officer charged with the performance of this particular work has done so very satisfactorily.

On October 10th, 1891, His Honor the Mayor approved a resolution granting permission to erect a frame building to be used for the purposes of fumigation. This was done with the object of suppressing as far as possible the spread of infection from infected articles of clothing or bedding. It has been in operation for the past six weeks, during which time a large amount of bedding and bed-clothes have been disinfected.

HOSPITAL FOR INFECTIOUS DISEASES.

It is a matter of supreme importance for the City to make provision for the care and treatment of persons afflicted with contagious or infectious diseases, such as scarlet fever, diphtheria, measles, etc. Numerous applications are made to this department to take charge of persons suffering with these diseases, in whose homes no means can be taken for their isolation and proper treatment. The erection of a properly constructed municipal hospital, under the supervision of this department, is a necessity that cannot be over-estimated.

VACCINATION.

The work of the vaccine physician is shown in detail in Table G. The total number of vaccinations performed during the year was 10,703.

The vaccine physicians are clothed with the special duty of making house to house visitation and offering free vaccination to all needing it, in order to prevent the occurrence and spread of small-pox. This is almost an impossibility, as under the existing ordinances creating these officers, the number is wholly inadequate to perform properly the work assigned them. I would most earnestly urge the amendment of the present law and the creation of one vaccine physician for each ward of the City.

In order to more fully protect our citizens and extend the beneficent effects of vaccination, a large amount of virus has been furnished by this department to asylums and other institutions of a charitable character, wherein large numbers of persons are housed, from which no reports have been received.

A great number of unprotected persons in the community could be reached through the various dispensaries receiving appropriations from the City, and it should be expressly stipulated that all such beneficiaries should vaccinate all applicants in need of this necessary preventive. Reports could be made to this department upon blanks furnished for this purpose.

INSPECTOR OF PLUMBING.

The report of the Inspector of Plumbing shows a marked increase in the work performed over the preceding year. The value of this work to the general public cannot be too highly recommended.

SEWERAGE.

Nothing of greater importance can be suggested than adoption of some means for the proper removal and disposal of household and other sewage. The present methods are crude and insufficient, and a constant menace to the public health. I am indebted to my predecessor, Dr. George H. Rohe, for much valuable information on this particular subject, and cordially endorse the views expressed by him in the annual report of this department for the year 1890.

PUBLIC BATHS.

The demand for these public necessities still exists. Some provision should be made for their establishment. The benefits to accrue are inestimable, and no greater boon could be conferred upon the general community than the erection of suitable public baths.

THE MORGUE.

This most necessary addition to this department for the reception and preservation of dead bodies, was formally opened in March last, by the appointment of Mr. William H. Murphy as keeper. The following

report shows the number of dead bodies received, and the disposition made of them:

Bodies received.....72
(Males, 62; Females, 10. White, 62; Colored, 10.)

How disposed of:

Buried by relatives or friends.....42
Buried by the City.....30
Number of bodies identified.....64
Number of bodies unidentified..... 8
Number of post mortems made at Morgue..... 5

The value of this institution has been amply demonstrated, and praise is due the keeper for the excellent manner in which he has performed all duties assigned him. Some provision should be made for a watchman to take charge of this building at night, the keeper being employed from 7 A. M. to 7 P. M. Many bodies are taken at night to the Morgue, and delays occur that could be avoided by having a proper person on hand to receive and care for them.

MEDICAL EXAMINERS' REPORT.

The report of the Medical Examiners shows that fifty-one post mortems were made during the year.

REPORT OF THE ASSISTANT COMMISSIONER OF HEALTH.

The report of Dr. H. L. Spicer, the Assistant Commissioner of Health, shows in detail the work performed by the respective divisions of this department.

It will be seen that there has been a marked increase in the work over past years. The work of the sanitary inspectors shows an increase of 8,938 inspections over those of the year 1890.

REPORT OF THE SECRETARY.

The tables prepared by the Secretary, Mr. A. Robert Carter, are deserving of particular notice. They show in a most interesting manner the vital statistics of the City.

Whilst the work of this department has progressed during the past year, yet it is hampered by inadequate and insufficient legal enactments. Every assistance should be given by our Legislators to enhance the value of the work performed, and this can only be done by the passage of statutes or ordinances of a specific character. Many of the laws directing the methods and work of this department are obsolete and should be repealed, and others more in consonance with the great growth and development of the City be enacted.

I respectfully submit the following estimate of expenses of the department for the year 1892 :

CITY.

Salaries	$36,200 00
General Health	15,000 00
Nuisances and Sewers	15,000 00
Quarantine Hospital	18,000 00
Medical Examiners' Salaries	1,500 00
Removing Filth from Docks	4,000 00
Removal of Canning House Refuse	5,000 00

ANNEX.

Salaries	$ 3,800 00
Nuisances and Sewers	2,500 00

In conclusion, I desire to express my thanks to the employees of this department for their prompt and efficient performance of all work assigned them.

I also desire to express my gratitude to the medical profession and others for their kind co-operation and aid in my efforts in behalf of sanitary advancement.

Very respectfully,

Your obedient servant,

JAMES F. McSHANE,

Commissioner of Health and Registrar.

TABLES.

VITAL STATISTICS OF THE CITY OF BALTIMORE,

For the Year 1891.

Population by Police Census, whites			384,394
" " " " colored			71,033
Total			455,427
Marriages, 4,570. Marriage rate per 1,000 of population			10.00
Births (reported), white males	4,270		
" " " females	3,968		
		8,238	
" " colored males	571		
" " " females	530		
		1,101	
Total			9,339
Birth rate per 1,000 white population		21.53	
" " " " colored "		15.50	
" " " " whole "			20.52
Still births 811. Rate per 1,000 of population			1.78
Total mortality, native white males		3,098	
" " " " females		2,870	
" " foreign " males		957	
" " " " females		913	
Total white			7,838
Total mortality, colored males		1,065	
" " " females		1,170	
Total colored			2,235
Total mortality			10,073
Annual death rate per 1,000 white population			20.41
" " " " " colored "			31.48
" " " " " whole "			22.14

VITAL STATISTICS—Continued.

Total number of deaths from Measles	16
" " " " " Scarlet fever	128
" " " " " Diphtheria	350
" " " " " Croup	44
" " " " " Whooping cough	103
" " " " " Typhoid fever	150
" " " " " Typho malaria fever	39
" " " " " Cerebro spinal fever	18
" " " " " Consumption	1,073
" " " " " Pneumonia	977
" " " " " Bronchitis	287
" " " " " Influenza	244
" " " " " Bright's disease	200
" " " " " Cancer	267
" " " " " Disease of heart	454
" " " " " Cholera infantum	531
" " " " " Cholera morbus	27
" " " " " Pernicious anæmia	6
" " " " " Illuminating gas	7
" " " " " Electric shock	1

TOTAL NUMBER OF DEATHS FROM ABNORMAL CONDITIONS CONNECTED WITH PARTURITION.

Puerperal fever	7
" convulsions	11
" mania	1
" peritonitis	20
" septicæmi	23
Placenta prævia	1
Child birth	27
Metro peritonitis	1
Abortion	5
Embolism	5
Hemorrhage of uterus	4
" post partem	1
Distocia	1
Extra uterine pregnancy	1

VITAL STATISTICS—Concluded.

Puerperal metritis	1
Total mortality of children under 5 years of age	3,910
Percentage of deaths of children under 5 years of age to total mortality	38.82
Total mortality from zymotic diseases	1,838
Percentage of deaths from zymotic diseases	18.24
Total mortality from diarrhœal diseases of children under 5 years of age	852
Total mortality from diarrhœal diseases, all ages	1,088

DEATHS IN PUBLIC INSTITUTIONS.

Baltimore City Jail	7
Maryland Penitentiary	15
Hospitals and asylums	784
Total	806
Deaths reported by City coroners, including inquests	496
Total number of autopsies by post mortem medical examiners	51
Total number of bodies received at City Morgue	72

TABLE A.

Showing the Population, Mortality, Death Rate per 1,000 of Population and the Number of Dwellings in each Ward of the City of Baltimore for the Year 1891.

Wards.	Population.	Total deaths.	Death rate per 1,000.	Dwellings.
First	23,474	516	22.43	4,235
Second	19,415	479	25.21	2,511
Third	16,318	363	22.68	2,770
Fourth	16,400	375	22.44	2,821
Fifth	15,670	394	24.62	2,864
Sixth	28,145	717	25.60	5,541
Seventh	25,739	575	22.11	5,832
Eighth	26,682	470	17.40	4,740
Ninth	16,882	535	31.47	2,154
Tenth	16,147	335	20.94	2,654
Eleventh	21,269	481	22.90	3,821
Twelfth	25,426	629	25.16	5,595
Thirteenth	15,026	364	24.26	2 571
Fourteenth	18,062	373	20.72	3,402
Fifteenth	15,141	328	21.87	2,392
Sixteenth	14,838	319	21.27	2,533
Seventeenth	26,483	588	22.61	4,291
Eighteenth	27,487	562	20.85	5,218
Nineteenth	25,458	508	20.32	4,083
Twentieth	20,610	461	21.95	4,871
Twenty-first	16,428	270	16.87	3,334
Twenty-second	24,327	431	17.96	5,375
	455,427	10,073	22.14	84,247

TABLE B.

Showing the Mortality from Consumption, as compared with the total Mortality from all causes, White and Colored Males and Females for the year 1891. Also for a period of seventeen years, 1875—1891, (inclusive.)

1891.	Ratio to total Mortality.
Total white males from all causes, 4,055; from consumption, 396	9.66
Total white females from all causes, 3,783; from consumption, 359	9.45
Total colored males from all causes, 1,065; from consumption, 162	14.73
Total colored females from all causes, 1,170; from consumption, 156	13.00
Total combined all causes, 10,073; from consumption, 1,073	11.71
Total mortality for seventeen years, 1875-1891 (inclusive)	
Total white males from all causes, 56,184; from consumption, 6,823	12.19
Total white females from all causes, 54,134; from consumption, 7,199	13.31
Total colored males from all causes, 15,708; from consumption, 2,603	16.25
Total colored females from all causes, 16,980; from consumption, 3,177	18.69
Total combined all causes, 143,006; consumption, 19,802	13.07

TABLE C.

Showing the Mortality from Certain Diseases, also the Total Mortality from All Causes for a Period of Ten Years, 1881–1890 inclusive, as compared with the Year 1891.

	Comsumption.	Pneumonia.	Bronchitis.	Diphtheria and Croup.	Scarlet Fever.	Typhoid Fever.	Whooping Cough.	Total Mortality, all Causes.	Small Pox.
Mortality, ten years..	11,917	6,174	1,270	4,835	1,125	1,699	1,241	88,113	1,197
Averaging	1,192	617	127	484	113	170	124	8,811	120
Mortality, 1890.....	1,249	981	230	319	42	247	100	10,198	.....
Mortality, 1891.....	1,073	977	287	394	128	150	103	10,073	.....

TABLE D.

Showing the Mortality from Typhoid Fever, Males and Females, White and Colored, for seventeen years, 1875–1891, inclusive.

	White Males.	White Females.	Colored Males.	Colored Females.	Combined Males.	Combined Females.	Total.
	1,285	1,023	260	290	1,545	1,313	2,858
Averaging	76	60	15	17	91	77	168
Mortality, 1891	67	58	12	13	79	71	150

TABLE E.

Baltimore's Longevity during Year 1891.

458	White Male Decedents	between	70 and 102	years.	Total years	35,607,	averaging	77	years	and	8	months.
628	White Female	"	70 and 100	"	"	49,078,	"	78	"	"	4	"
43	Colored Male	"	70 and 106	"	"	3,324,	"	77	"	"	3	"
108	Colored Female	"	70 and 104	"	"	8,347,	"	77	"	"	3	"
1,235	Decedents.				Total years	96,356,	averaging	78	years.			

Summary of Sanitary Statistics

OF THE

City of Baltimore,

FOR THE YEAR 1891.

POPULATION: { Police Census Nov. 1890, { White 384,394 / Colored 71,033 ; U. S. Census June, 1890, . . 434,439

Population, Dwellings and Mortality by Wards,

POLICE CENSUS, 1890:

Wards.	White.	Colored.	Total.	Dwell'gs.	Deaths
First	23,001	443	23,474	4,235	516
Second	19,024	391	19,415	2,511	479
Third	14,151	2,167	16,318	2,770	363
Fourth	13,987	2,413	16,400	2,821	375
Fifth	12,406	3,264	15,670	2,864	394
Sixth	24,302	3,843	28,145	5,541	717
Seventh	24,449	1,290	25,739	5,832	575
Eighth	22,368	4,314	26,682	4,740	470
Ninth	13,640	3,242	16,882	2,154	535
Tenth	11,855	4,292	16,147	2,654	335
Eleventh	10,264	11,005	21,269	3,821	481
Twelfth	20,175	5,251	25,426	7,595	629
Thirteenth	12,619	2,407	15,026	2,571	364
Fourteenth	15,739	2,323	18,062	3,402	373
Fifteenth	11,567	3,574	15,141	2,392	328
Sixteenth	10,557	4,281	14,838	2,533	319
Seventeenth	25,719	764	26,483	4,291	588
Eighteenth	24,094	3,393	27,487	5,218	562
Nineteenth	20,032	5,426	25,458	4,083	508
Twentieth	16,811	3,799	20,610	4,871	461
Twenty-first	15,510	918	16,428	3,334	270
Twenty-second	22,094	2,233	24,327	5,375	431
Total	384,394	71,033	455,427	84,247	10,073

MORTALITY—White Males 4,055; White Females 3,783; Colored " 1,065; Colored " 1,170; Total, 10,073

5,120 4,953

BIRTHS REPORTED.

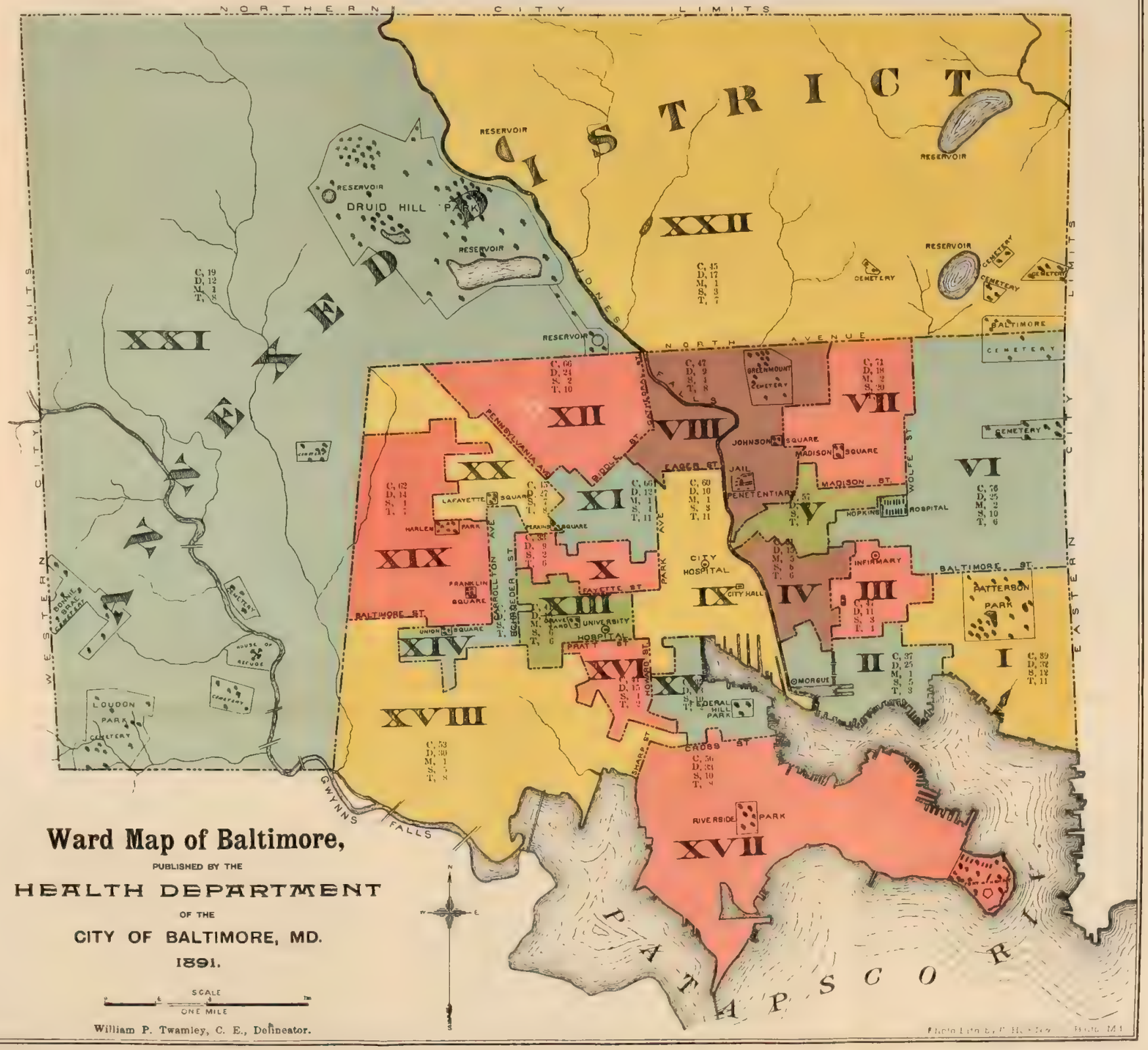
White Males, 4,270; White Females, 3,968; Colored " 571; Colored " 530; Total, 9,339.

4,841; 4,498;

SYMBOLS USED IN MAP.

C—Consumption.
D—Diphtheria and Croup.
M—Measles.
S—Scarlet.
T—Typhoid.
V—Small-Pox.

Area of City—Square Miles, 314.
" " —Acres, 20,160.
" of Parks—Acres, 861.
Appraised Value of Real Estate, $274,000,000.00.
Miles of Street, 780.
Miles of Street Railways, 120.81.
Daily Consumption of Water, 45,000,000 gallons.
Daily Capacity of Water Supply, 300,000,000 gallons.
Storage Reservoirs, 8.
Reservoir Capacity, 2,274,000,000 gallons.



Ward Map of Baltimore,

PUBLISHED BY THE

HEALTH DEPARTMENT

OF THE

CITY OF BALTIMORE, MD.

1891.

SCALE
ONE MILE

William P. Twamley, C. E., Delineator.

Meteorological Summary for the Year 1891,

FROM U. S. WEATHER BUREAU RECORDS.

PRESSURE.

Mean Barometer..... 29.90 inches, .16 below normal.
Highest " .....30.63 " on November 19.
Lowest " .....29.07 " on January 11.
Range of " ..... 1.56 "

TEMPERATURE.

Mean Temperature.....55.6 degrees, .1 above normal.
Highest " .....94 " on August 11.
Lowest " .....16 " on March 2.
Mean Winter (1890 and 1891) Temperature 37.9 degrees, 6.6 degrees below that of 1889 and 1890 and 2.4 degrees above normal.
Mean Spring Temperature.....52.3 degrees, 1.0 below normal.
" Summer " .....72.5 " 3.3 " "
" Autumn " .....56.5 " .5 " "
Mean Temperature of December 43.7 degrees, 9.1 degrees above the Mean Temperature of December, 1890, and 6.7 degrees above normal

PRECIPITATION.

Total Precipitation during the year, 54.21 inches, 11.14 inches above normal. Number of days on which rain or snow fell, 143. Greatest monthly precipitation, 7.94 inches in March. Least monthly precipitation, 1.33 inches in November.

WINDS.

Prevailing direction northwest.
Highest velocity 40 miles per hour, from northwest, on December 16.
Mean velocity, 6.9 miles per hour.
Total movement, 60,265 miles.
Mean relative humidity, 72 per cent.
First heavy frost in Autumn, October 29.
Last snow of season, 1890 and 1891, May 6.
First snow of season, 1890 and 1891, November 28.

C. P. CRONK, M. D.,
Observer, Weather Bureau

Deaths from Zymotic Diseases, Consumption and Pneumonia, in each Ward, for Year ending December 31st, 1891.

Zymotic Diseases.	Wards.																						Totals.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	
Croup	3	6	3	4	2	4	2	..	3	..	1	1	1	2	1	..	3	3	..	2	1	2	44
Cholera	...	...	..	..	..	...	...	..	..	..	..	..	..	..	..	..	...	...	..	...	..	..	....
Cholera Infantum	38	40	12	22	15	28	27	11	9	11	27	27	12	19	27	20	43	46	25	34	14	24	531
Cholera Morbus	2	1	..	2	..	4	1	1	2	1	1	..	1	2	1	1	3	2	..	1	..	1	27
Diphthera	29	19	8	11	8	21	16	9	7	9	11	23	17	13	12	15	30	27	14	25	11	15	350
Diarrhœa	7	18	..	5	2	6	7	7	6	4	2	1	3	1	2	5	3	8	4	4	6	2	103
Dysentery	5	1	5	1	5	4	8	8	5	6	6	5	8	1	5	5	11	8	4	9	1	7	118
Entero Colitis	8	8	6	7	7	6	2	9	4	2	3	2	2	4	4	2	10	2	3	5	1	7	104
Erysipelas	...	3	..	1	..	...	...	1	2	..	..	1	..	2	..	..	2	2	..	...	..	1	15
Fever, Cerebro Spin'l	1	...	1	1	4	1	...	..	..	1	..	1	1	..	..	..	1	2	2	1	1	..	18
" Intermittent	1	..	..	..	..	1	...	..	..	..	..	..	..	..	1	..	1	1	..	...	..	..	5
" Malarial	3	3	4	..	..	4	1	1	..	..	..	..	..	1	1	..	3	2	2	...	..	1	26
" Puerperal	1	...	..	..	..	1	1	1	..	1	1	..	..	1	..	..	..	...	..	...	..	..	7
" Remittent	...	...	2	1	1	3	2	5	2	..	..	..	..	..	1	1	2	...	..	...	..	1	21
" Scarlet	12	5	3	6	5	10	20	4	3	2	4	2	6	3	10	4	10	5	4	7	..	3	128
" Typhoid	11	3	4	6	1	6	7	8	11	6	11	10	6	10	2	2	8	8	7	8	8	7	150
" Typhus	...	...	..	..	..	...	...	..	..	..	..	..	..	..	..	..	...	...	..	...	..	..	....

Fever, Typho-Mala'l	2	13	2	2	1	4	1	1	2	1	..	2	..	..	2	..	1	2	2	...	..	1	39
Mumps	...	...	..	..	..	...	1	..	..	..	..	..	..	..	..	..	...	...	..	...	..	..	1
Measles	...	1	..	5	..	2	2	..	1	..	1	..	1	..	..	..	...	1	..	...	1	1	16
Pyœmia	...	2	..	1	..	1	...	1	1	..	..	1	..	1	1	..	...	...	..	...	..	..	9
Small Pox	...	...	..	..	..	...	...	..	..	..	..	..	..	..	..	..	...	...	..	...	..	..	....
Septicœmia	...	1	1	..	..	2	1	1	..	..	..	2	..	1	..	1	...	...	..	1	1	..	12
Tonsilitis	2	...	..	..	..	...	...	..	..	1	..	..	..	..	..	1	2	1	..	1	..	..	8
Varicella	...	...	..	..	1	...	1	..	..	1	..	..	..	..	..	..	...	...	..	...	..	..	3
Whooping Cough	2	5	1	5	4	12	5	2	1	4	7	2	4	5	2	2	9	4	9	3	4	11	103
Total Zymotic Dis'es	127	129	52	80	56	120	105	70	59	50	75	80	62	66	72	59	142	124	76	101	49	84	1838
Consumption	39	37	47	31	57	76	71	47	60	33	66	66	44	43	35	41	56	53	62	45	19	45	1073
Pneumonia	52	55	38	34	51	75	51	34	37	36	52	42	36	46	35	32	66	55	53	38	22	37	977

Cause of Death.	White.		Colored.	
	M.	F.	M.	F.
Abscess of Liver	1			
Anæmia, Pernicious		1		
Angina Pectoris	1	3		
Apoplexy	9	6	1	2
Asphyxia			2	
Asthma		3		1
Asthenia	4	5	2	1
Atrophy of Liver		2		
Atelectasis Pulmonum		5		1
Bright's Disease	7	2	1	1
Burns		1		2
Capillary Bronchitis	3			1
Cancer of Stomach	4	2		
" Rectum	1			1
" Liver	1			
" Ear	1			
" Bladder	1			
" Breast		2		
" Uterus		6		1
" Ovarian		1		
" Bowels	1	1		

Cause of Death.	White.		Colored.	
	M.	F.	M.	F.
Exposure			1	
Fever, Intermittent		1		
" Malarial	1	1		1
" Scarlet	2	2		
" Typhoid	7	5	1	2
" Typho-Malarial	2			1
Fracture of Skull			1	
Gall Stones		1		
Gangrene Senile	1			
Gastro Enteritis	4			
Hernia, Strangulated	3			
Hemorrhage of Navel			1	
" Brain	2			
" Lungs				1
Inanition	4	2	2	2
Inflammation of Bladder		1		1
" Bowels		2		1
" Stomach	2	1		1
" Bronchi	7	13	7	4
" Kidneys	5	4	1	2
" Larynx	1	1		

Cancer of Pelvis	.....	1	.....	.....
" Throat	.....	1	.....	.....
" Lower Jaw	1	.....	.....	.....
" Tongue	1	.....	.....	.....
Child Birth	.....	1	.....	1
Cholera Infantum	.....	.....	.....	1
Cirrhosis of Liver	2	.....	1	.....
Congestion of Brain	1	2	1	1
" Lungs	4	2	1	1
Consumption of Lungs	40	34	12	18
Convulsions	9	13	10	4
" Puerperal	.....	1	.....	.....
Croup	2	1	.....	1
Cyanosis	2	.....	.....	.....
Dentition	3	2	1	1
Diabetes	.....	.....	.....	1
Delirium Tremens	1	.....	.....	.....
Diarrhœa	1	.....	.....	.....
Diphtheria	11	11	.....	4
Disease of Heart	15	13	5	4
Dropsy (General)	2	3	.....	1
Dysentery	.....	3	.....	.....
Epilepsy	.....	1	1	.....
Endocarditis	2	.....	.....	.....
Erysipelas	1	1	.....	.....
Enterocolitis	3	.....	.....	.....
Embolism	1	.....	.....	.....
Inflammation of Liver	1	.....	.....	.....
" Peritonæum	2	3	.....	.....
" Pleura	1	.....	.....	.....
Influenza	1	.....	.....	1
Intussusception	.....	.....	.....	.....
Intemperance	2	1	.....	.....
Jaundice	.....	1	.....	1
Laparatomy	.....	1	.....	.....
Malformation	1	.....	.....	.....
Malnutrition	2	.....	.....	2
Marasmus	3	8	1	2
Measles	1	4	.....	.....
Meningitis	5	1	.....	.....
" Tubercular	2	2	.....	.....
Murder	1	.....	.....	.....
Neurasthenia	.....	1	.....	.....
Old Age	14	20	4	3
Paralysis	10	14	1	.....
Pneumonia	42	36	19	15
" Broncho	1	1	1	.....
" Pleuro	1	1	.....	.....
" Typhoid	2	.....	.....	.....
Poison	.....	1	.....	.....
Premature Birth	6	5	1	1
Prolonged Labor	1	1	.....	.....
Puerperal Septicæma	.....	3	.....	.....
" Metritis	.....	1	.....	.....

Actual Mortality for the Month of January, 1891. *Males and Females, White and Colored.*

Cause of Death.	White.		Colored.	
	M.	F.	M.	F.
Puerperal Mania	.....	1	.....	.....
Rheumatism, Inflammatory	2	1	.....	.....
Scalds	1	2	.....	.....
Stricture of Bowels	1	2	.....	.....
Scrofula	2	.....	.....	.....
Softening of Brain	1	.....	.....	.....
Suffocation by Illuminat'g Gas	1	.....	1	.....
Suicide	2	1	1	.....
Syphilis	1	.....	.....	.....
Synovitis	.....	1	.....	.....
Trismus Nascentium	1	2	.....	1
Tumor, Ovarian	.....	1	.....	.....
" Cerebral	1	.....	.....	.....
" Abdominal	.....	1	.....	.....
Uræmia	3	1	.....	.....
Unknown, Adult	1	.....	1	.....
Whooping Cough	7	4	1	3
Wounds by Cars	6	.....	.....	.....
" Crushed	3	.....	.....	.....
" Fall	3	3	2	.....
Totals	312	289	85	94

Under 1 year	63	49	24	20
Between 1 and 2 years	20	14	7	6
" 2 and 5 years	17	17	8	3
Total under 5 years	100	80	39	29
Between 5 and 10 years	9	10	3	3
" 10 and 15 years	4	4	2	5
" 15 and 20 years	8	8	1	7
" 20 and 30 years	27	23	2	11
" 30 and 40 years	30	20	9	11
Between 40 and 50 years	36	25	9	5
" 50 and 60 years	34	26	7	5
" 60 and 70 years	33	34	6	5
" 70 and 80 years	15	38	2	9
" 80 and 90 years	12	17	3	2
" 90 and 100 years	4	4	1	2
" 100 and 110 years	.....	.....	1	.....
Above 110 years	.....	.....	.....	.....
Total	312	289	85	94

GENERAL SUMMARY.

The Weather.—The mean barometric pressure for January was 30.09 ; mean temperature, 38° ; total precipitation, 4.89 inches, and prevailing direction of wind, *northwest.* The temperature was 1.01° higher than the normal for the month, and the excess in precipitation was 1.69 inches. The number of clear and fair days was 23.

Mortality.—The total deaths were 780, as against 930 for the corresponding month of 1890. Of these, 601 were white and 179 colored, a death rate of 18.72 per thousand for the former and 30.25 for the latter. 86 died from zymotic diseases, 104 from consumption and 112 from pneumonia. 248, or 32 per cent. of the total deaths, were in children under five years of age.

Infectious Diseases Reported.—During the month 186 cases of infectious diseases were reported, a decrease of 44 from December, 1890. The greatest decrease occurred in diphtheria, croup and scarlet fever, and there was a decided increase in measles. Diphtheria, croup and scarlet fever fell from 104, 22 and 73 cases respectively, in December, to 59, 14 and 55 in January. Measles increased from 4 cases in December, to 33 in January, and whooping cough from 23 to 24.

Deaths in Hospitals.—Sixty-two deaths occurred in public institutions, of which *eleven* were reported as non-residents.

Cause of Death.	White.		Colored.	
	M.	F.	M.	F.
Abscess of Lung	1			
Appendicitus	1			
Anæmia	1	1		
Angina Pectoris		1		
Albuminuria	1			
Apoplexy	7	5	3	4
Aneurism of Aorta	1	1	1	
Asphyxia	1			
Asthma		3		1
Ascites	1			
Asthenia	4	4	2	
Atelectasis Pulmonum	1	1	1	
Bright's Disease	13	5	2	
Burns		1		
Capillary Bronchitis	4	1	3	3
Cancer of Antrum	1			
" Rectum		2		
" Prostate Gland	1			
" Face	1			
" Mesentery		1		
" Breast		2		

Cause of Death.	White.		Colored.	
	M.	F.	M.	F.
Fever Malarial			2	
" Puerperal				2
" Remittent	1			
" Scarlet	1			
" Typhoid	4	3		1
" Typho-Malarial		1		
Gangrene Senile		1		
Gastro Enteritis	3	4		1
Hernia Strangulated		1		
Hemorrhage of Brain	5			
" Lungs	2			
" Bowels		1		
" Post Partem		1		
Hydrocephalus			1	
Inanition	2	1	3	2
Indigestion	1			
Inflammation of Bowels	3	1	2	2
" Stomach	4	2	1	2
" Bronchi	7	5	7	6
" Kidneys	8	1		2
" Pericardium	1			

Cancer of Uterus		3		
" Bowels		1		
Child Birth		3		
Calculus	1			
Cholera Infantum	1			
Cirrhosis of Liver	2		1	
Carbuncle	1			1
Congestion of Brain	2			
" Lungs	1	3	1	1
Consumption of Bowels	2			
" Lungs	46	38	10	8
Convulsions	9	11	4	10
Croup	3	1		
Cyanosis	3			
Dentition	2	3	1	
Diabetes	2	2		
Debility		4		
Delirium Tremens	1			
Distocia		1		
Dyspepsia		2		
Diarrhœa	1	2	1	
Diphtheria	15	12		
Disease of the Heart	14	11	6	6
Dropsy (General)				1
Dysentery	1	3		
Epilepsy		1		
Erysipelas	1			
Inflammation of Peritonæum		2		
" Pleura	2			1
Influenza		1		
Intemperance	1	1	1	
Jaundice	1	2		
Laparatomy		1		
Leucocythæmia	1	1		1
Menopause				1
Marasmus	10	7	3	4
Meningitis	7	6	1	1
" Tubercular	4	2		3
" Cerebro Spinal	2	1		1
Metro Peritonitis		1		
Neurasthenia		1		
Old Age	18	8	1	4
Ovariotomy		1		
Paralysis	6	8	2	3
Pneumonia	26	21	13	13
" Broncho	1		1	
" Pleuro	2			
" Typhoid		1		
Progressive Locomotor Ataxia		1		
Premature Birth	4	4	1	1
Prolonged Labor		1		
Puerperal Peritonitis		1		
" Septicæma		2		
Pyaemia	1			

Actual Mortality for the Month of February, 1891. *Males and Females, White and Colored.*

Cause of Death.	White.		Colored.	
	M.	F.	M.	F.
Rheumatism	3	.....	.....	.....
" Inflammatory	1	.....	.....	.....
Scalds	1	.....	.....	.....
Septicæmia	1	2	.....	.....
Stricture of Bowels	1	.....	1	.....
Softening of Brain	3	1	.....	1
Surgical Kidney	1	.....	.....	.....
Syphilis	.....	2	1	.....
Uræmia	2	1	.....	.....
Unknown, Infant	.....	1	.....	.....
Varicella	.....	1	.....	.....
Whooping Cough	3	4	1	4
Wounds by Cars	1	.....	.....	.....
" Fall	2	2	.....	.....
Totals	294	239	78	91
Under 1 year	68	50	27	17
Between 1 and 2 years	19	13	9	13
" 2 and 5 years	14	8	6	6
Total under 5 years	101	71	42	36
Between 5 and 10 years	8	8	2	3
" 10 and 15 years	2	6	.....	2
" 15 and 20 years	6	8	2	1
" 20 and 30 years	24	29	5	10
" 30 and 40 years	23	23	8	7
Between 40 and 50 years	28	22	8	6
" 50 and 60 years	26	23	4	8
" 60 and 70 years	31	21	3	7
" 70 and 80 years	27	18	3	6
" 80 and 90 years	17	9	.....	3
" 90 and 100 years	1	1	.....	1
" 100 and 110 years	.....	.....	1	1
Above 110 years	.....	.....	.....	.....
Total.	294	239	78	91

GENERAL SUMMARY.

The Weather.—The mean barometric pressure during February was 30.12 inches ; mean temperature, 41° ; total precipitation, 5.52 inches, and prevailing direction of wind, *Northwest.* The temperature was 1.27° higher than the normal for the month, and the excess in precipitation was 1.98 inches. The total number of clear and fair days was 18.

Mortality.—The total deaths were 702, as against 787 for the corresponding month of 1890. Of these, 533 were white and 169 colored, a death rate of 16.81 per thousand for the former and 28.56 per thousand for the latter. The death rate for the whole population was 18.49 per thousand. 77 persons died from infectious diseases, 102 from consumption and 78 from pneumonia. 250, or 35.6 per cent. of the total deaths, were in children under 5 years of age.

Infectious Diseases Reported.—During the month 207 cases of infectious diseases were reported, an in crease of 21 over January. In diphtheria and scarlet fever, there was a slight decrease, measles remained nearly stationary in prevalence, while whooping cough and croup showed a decided increase. Croup, measles and whooping cough increased from 14, 33 and 24 respectively, in January, to 20, 34 and 50 in February. Diphtheria decreased from 59 to 57, and scarlet fever from 55 to 45.

Deaths in Hospitals.—Fifty-two deaths occurred in public institutions, of which *eighteen* were reported as non-residents.

Cause of Death.	White.		Colored.	
	M.	F.	M.	F.
Abscess of Liver		1		
Abortion		1		
Anæmia, Pernicious		1		
Angina Pectoris		2		
Albuminuria			1	
Apoplexy	9	13		1
Aneurism of Aorta	1			
Asthma	4	3	2	
Asthenia		2		2
Bright's Disease	10	10	3	
Burns	2	2		2
Capillary Bronchitis		3	2	1
Cancer of Stomach	2	1		
" Abdomen	1			
" Arm		1		
" Liver		2	1	
" Bladder	1			
" Breast		3		
" Uterus		4		3
" Larynx		1		
Child Birth		1		1
Fever, Scarlet	4			
" Typhoid	2	1		
" Typho-Malarial	1			
Fracture of Femur		1		
Gangrene Senile	1			
Gastro Enteritis	6	3	1	1
Hernia, Strangulated	1			
Hemorrhage of Stomach	1			
" Navel			1	
" Brain	3	4	1	
" Lungs		1		
Hydrocephalus				1
Inanition	2	3		3
Indigestion	1			
Inflammation of Brain	1	1		
" Bladder	4		1	
" Bowels		1		
" Stomach	2	5	1	1
" Bronchi	8	6	5	6
" Kidneys	1	6		
" Larynx	1			

Cirrhosis of Liver	4	1		
Congestion of Brain	4	1		
" Lungs	4	5		
Consumption of Bowels			1	
" Lungs	31	22	22	19
Convulsions	12	6	1	5
Croup	1	1		
Cyanosis	3	1		
Dentition	4	2		1
Diabetes		2		
Debility	1	1		
Delirium Tremens	1			
Diarrhœa				1
Diphtheria	11	8		2
Disease of the Heart	16	13	5	5
Dropsy (Gen'l)				1
" Cardiac	4			
Drowned	2			
Dysentery	1	2		1
Epilepsy			1	
Endocarditis	1	2		
Erysipelas	1			
Enterocolitis		1		
Embolism	1	1	1	
Eczema		1		
Fever, Malarial	1	2		
" Remittent		1		

Inflammation of Liver	3	1		1
" Pericardium		1		
" Peritonæum	1	3		1
" Pleura	1	1		
" Tonsils		1		
Influenza	1		1	2
Intussusception	1			1
Intemperance	2			
Jaundice	1	2		
Laparatomy		1		
Malformation	1			1
Marasmus	3	7	1	1
Measles		1		1
Meningitis	8	6	3	1
" Tubercular	3		1	2
" Cerebro Spinal	1	1		
Noma	1			
Necrosis		1		
Old Age	11	17		4
Pelvic Cellulitis		1		
Paralysis	10	10		3
Pneumonia	32	30	9	12
" Broncho		1		1
" Pleuro		1		
Progressive Locomotor Ataxia	2			
Premature Birth	11	8	1	3
Prolonged Labor	1	2		

Actual Mortality for the Month of March, 1891. *Males and Females, White and Colored.*

Cause of Death.	White.		Colored.	
	M.	F.	M.	F.
Purpura	1			
Puerperal Peritonitis		2		
" Septicæma		1		
Rheumatism		1		
Scalds	2			
Spinal Sclerosis	1			
Scrofula				1
Softening of Brain	1	1		
Suffocation by Smoke			3	
Suicide	2			
Syphilis	1		2	1
Typhlitis		1		
Trismus Nascentium		1		
Tetanus	1			
Tumor, Abdominal	1	1		1
Tabes Mesenterica				1
Ulcer of Bowels	1			
" Stomach	1			
Unknown Adult			1	
" Infant	1	1		1
Whooping Cough	4	2	1	3
Wounds by Cars	6			
" Crushed	2			1
" Fall	1			
Extra Uterine Pregnancy				1
Totals	292	263	73	101
Under 1 year	65	48	15	23
Between 1 and 2 years	18	11	6	7
" 2 and 5 years	14	14	8	12
Total under 5 years	97	73	29	42
Between 5 and 10 years	9	9	4	3
" 10 and 15 years	3	3	3	4
" 15 and 20 years	6	10	1	4
" 20 and 30 years	24	10	8	6
Between 30 and 40 years	24	21	12	11
" 40 and 50 years	26	17	11	9
" 50 and 60 years	31	27	3	5
" 60 and 70 years	33	36	2	5
" 70 and 80 years	28	36		9
" 80 and 90 years	9	17		2
" 90 and 100 years	2	4		1
Total	292	263	73	101

GENERAL SUMMARY.

The Weather.—The mean barometric pressure during March was 30.12 inches; mean temperature, 39°; total precipitation, 7.94 inches, and prevailing direction of wind, *Northeast.* The temperature was 1.07° lower than the normal for the month, and the excess in precipitation was 3.85 inches. The total number of clear and fair days was 16.

Mortality.—The total deaths were 729, as against 1,032 for the corresponding month of 1890. Of these, 555 were white and 174 colored, a death rate of 17.34 per thousand for the former and 29.70 per thousand for the latter. The death rate for the whole population was 19.23 per thousand. 55 persons died from infectious diseases, 94 from consumption and 83 from pneumonia. 241, or 33 per cent. of the total deaths, were in children under five years of age.

Infectious Diseases Reported.—During the month 162 cases of infectious diseases were reported, a decrease of 45 from February. In diphtheria, scarlet fever and croup, there was a slight decrease, while in measles and whooping cough the decrease was decided. Diphtheria decreased from 57 to 53, croup from 20 to 18, scarlet fever from 45 to 44, measles from 34 to 13, and whooping cough from 50 to 31.

Deaths in Hospitals.—*Forty-nine* deaths occurred in public institutions, of which *nineteen* were reported as non-residents.

Cause of Death.	White.		Colored.	
	M.	F.	M.	F.
Angina Pectoris	3			
Asphyxia		1	1	
Apoplexy	7	7	1	2
Asthma	4	1	1	1
Ascites		1		
Asthenia	1	2		
Atelectasis Pulmonum		1		1
Bright's Disease	12	2	2	2
Burns	1	3		3
Capillary Bronchitis	2	3	1	
Catarrh	1	1		
Cancer of Stomach	1	3		
" Ovarian		1		
" Diffused	2		1	
" Neck	1			
" Liver	2			
" Pancreas	1			
" Axilla		1		
" Breast		2		
" Uterus		2		3
" Vagina		1		

Cause of Death.	White.		Colored.	
	M.	F.	M.	F.
Erysipelas	1			
Enterocolitis	1			
Fever, Malarial		1		
" Remittent	1			
" Scarlet	4	4		
" Typhoid	1	1	3	
" Typho-Malarial	2	1	1	
Fracture of Femur	1			
Gastralgia				1
Gangrene Senile	2			
" of Leg				1
Gastro Enteritis	1	2	2	1
Hernia, Strangulated	1			
Hemorrhage of Navel		1	1	
" Brain	2	1	1	1
Hæmatemesis			1	
Herpes		1		
Hydrocephalus		1	1	
Hodgkin's Disease	1			
Inanition	5	5	1	3
Insanity		1		

Cancer of Tongue	1			
" Larynx		1		
Child Birth				4
Circumcision	1			
Congestive Chill	2			
Cirrhosis of Liver	7			
Carbuncle	1			
Congestion of Brain	4		1	
" Lungs	1	1		
Consumption of Bowels	1			
" Lungs	36	34	16	20
Convulsions	11	8	3	1
" Puerperal		1		1
Croup	1			
Cyanosis		4		
Dentition	3	3		1
Diabetes		1		
Debility	1			
Dyspepsia	1			
Diarrhœa	1			2
Diphtheria	10	3		
Disease of the Heart	21	16	7	4
" Spine		1	1	
Dropsy (Gen'l)	1	2		2
Drowned	6			
Epilepsy				1
Endocarditis	1			1
Inflammation of Brain	3	2		
" Bladder			1	
" Bowels	1	1		
" Stomach	4	8		2
" Bronchi	13	13	6	8
" Kidneys	7	4	1	1
" Larynx				1
" Liver	1			
" Pericardium	2		2	
" Peritonæum		1		1
" Tonsils			1	1
Influenza	11	14	3	3
Intussusception		1		1
Intemperance	4	1		
Jaundice	1	1		
Marasmus	7	10		2
Murder	1			
Meningitis	8	4	1	
" Tubercular	4	2		
" Cerebro Spinal		1		
Neurasthenia		1		
Old Age	17	24		5
Phlebitis	1			
Paralysis	8	11	1	4
Pneumonia	50	41	17	20
" Broncho				1
" Pleuro	2	2		

Actual Mortality for the Month of April, 1891. *Males and Females, White and Colored.*

Cause of Death.	White.		Colored.	
	M.	F.	M.	F.
Pneumonia Typhoid	.....	1	1	.....
Premature Birth	7	5	4	2
Prolonged Labor	1	1	.....	.....
Pyelitis	1	.....	.....	.....
Puerperal Peritonitis	.....	2	.....	2
" Septicæma	.....	5	.....	.....
Rheumatism	.....	1	2	.....
" Inflammatory	.....	.....	1	.....
Scrofula	1	.....	.....	.....
Softening of Brain	4	.....	.....	.....
Suffocation by Illuminat'g Gas	.....	.....	.....	1
Suicide	5	1	.....	.....
Sclerosis of Spinal	1	.....	.....	.....
Trismus Nascentium	2	.....	.....	.....
Tumor, Abdominal	.....	1	.....	.....
Tabes Mesenterica	.....	1	.....	.....
Uræmia	2	1	.....	1
Ulcer of Stomach	.....	1	.....	1
Unknown Infant	1	.....	.....	.....
Whooping Cough	3	4	1	.....
Wounds by Cars	5	.....	.....	.....
" Crushed	1	.....	.....	.....
" Fall	4	1	.....	1
Totals	355	293	88	114

Under 1 year	66	57	21	20
Between 1 and 2 years	15	17	7	7
" 2 and 5 years	19	8	3	3
Total under 5 years	100	82	31	30
Between 5 and 10 years	13	9	.....	2
" 10 and 15 years	1	6	1	2
" 15 and 20 years	8	8	5	7
" 20 and 30 years	27	29	13	13
Between 30 and 40 years	23	19	5	14
" 40 and 50 years	36	20	10	15
" 50 and 60 years	39	29	13	9
" 60 and 70 years	49	36	7	7
" 70 and 80 years	39	34	3	10
" 80 and 90 years	19	15	.....	3
" 90 and 100 years	1	6	.....	2
Total	355	293	88	114

GENERAL SUMMARY.

The Weather.—The mean barometic pressure during April was 30.04 inches; mean temperature, 56°; total precipitation, 2.48 inches and prevailing direction of wind *Northwest.* The temperature was .89° higher than the normal for the month, and the deficiency in precipitation was .79 inches. The total number of clear and fair days was 24.

Mortality.—The total deaths were 850, as against 724 for the corresponding month of 1890. Of these, 648 were white and 202 colored, a death rate of 20.85 per thousand for the former and 34.42 per thousand for the latter. The death rate for the whole population was 22.41 per thousand. 42 persons died from infectious diseases, 106 from consumption and 135 from pneumonia. 243, or 28.6 per cent. of the total deaths, were in children under five years of age.

Infectious Diseases Reported. During the month, 147 cases of infectious diseases were reported, a decrease of 15 from March. In diphtheria, croup and whooping cough there was a decrease, and an increase in scarlet fever and measles.

Deaths in Hospitals.—Fifty-one deaths occurred in public institutions, of which *twenty-one* were reported as non-residents.

Actual Mortality for the Month of May, 1891. *Males and Females, White and Colored.*

Cause of Death.	White.		Colored.	
	M.	F.	M.	F.
Abscess of Cerebral		1		
" Neck		1		
" Pelvic				1
Atheroma	1			
Angina Pectoris	1			1
Albuminuria	1			
Asphyxia	3			
Apoplexy	7	9	1	
Aneurism of Aorta	1			
Asthma	1	2	2	2
Ascites	1	1		
Asthenia	4	1	2	2
Atelectasis Pulmonum				1
Bright's Disease	8	7	4	1
Burns	2	1		
Capillary Bronchitis	5	4	2	2
Catarrh	1			
Cancer of Stomach	2	2		
" Rectum		1		
" Diffused	1	1		
" Ventricular	1			
Drowned	2			
Dysentery	5	1		
Epilepsy	1	1		
Endocarditis	1	2		
Erysipelas	1	2		
Enterocolitis	3	1		
Embolism	1			
Eczema				1
Fever Malarial		1		
" Remittent			1	
" Scarlet	2	1		
" Typhoid	8		1	
" Typho-Malarial			1	
Fracture of Femur		2		
Gangrene Senile		2		
Gastro Enteritis	2	1	2	
Hernia		1		
" Strangulated	1		1	
Hemorrhage of Brain		1		2
" Lungs	1			
" Uterus		1		

Cancer of Liver	2	1	.....	.....
" Face	.....	1	.....	.....
" Lungs	.....	1	.....	.....
" Axilla	.....	1	.....	.....
" Breast	.....	2	.....	1
" Uterus	.....	7	.....	2
" Œsophagus	.....	1	.....	.....
" Bowels	.....	.....	1	.....
Child Birth	.....	3	.....	.....
Calculus	.....	2	.....	.....
Cholera Infantum	3	.....	.....	.....
" Morbus	.....	2	.....	.....
Cirrhosis of Liver	4	3	1	.....
Congestion of Brain	3	.....	.....	.....
" Lungs	2	2	1	.....
Consumption of Lungs	38	33	12	11
Convulsions	7	8	5	5
" Puerperal	.....	1	.....	.....
Croup	2	.....	1	.....
Cyanosis	.....	1	.....	.....
Dentition	2	6	2	.....
Diabetes	1	2	.....	.....
Diarrhœa	1	3	.....	.....
Diphtheria	12	10	1	2
Disease of the Heart	14	21	6	2
" Spine	3	.....	.....	.....
Dropsy (General)	1	2	.....	3
Hydrocephalus	1	.....	.....	.....
Inanition	6	1	5	3
Inflammation of Brain	.....	2	.....	.....
" Bladder	1	.....	.....	.....
" Bowels	1	1	1	1
" Stomach	3	2	.....	1
" Bronchi	8	13	4	3
" Kidneys	7	2	1	2
" Larynx	1	.....	.....	.....
" Pericardium	.....	1	.....	.....
" Peritonæum	2	4	.....	.....
Influenza	21	35	6	11
Intemperance	.....	3	.....	.....
Jaundice	1	1	.....	.....
Laparatomy	.....	.....	.....	1
Leucocythæmia	.....	.....	.....	1
Malformation	.....	1	.....	.....
Marasmus	6	11	5	.....
Meningitis	3	5	3	1
" Tubercular	4	.....	.....	.....
Measles	1	.....	1	.....
Old Age	15	26	1	2
Ovariotomy	.....	1	.....	.....
Paralysis	7	11	.....	6
Pneumonia	49	35	17	14
" Broncho	1	2	2	.....
" Pleuro	.....	1	.....	.....

Retail Mortality for the Month of May, 1891. Males and Females, White and Colored.

Cause of Death.	White.		Colored.	
	M.	F.	M.	F.
Pneumonia, Typhoid	2	.....	.....	.....
Progressive Locomotor Ataxia	.....	1	.....	.....
Premature Birth	9	16	1	2
Prolonged Labor	1	1	.....	.....
Purpura	.....	1	.....	.....
Phlegmacia Dolens	.....	1	.....	.....
Puerperal Peritonitis	.....	3	.....	.....
Phrenitis	.....	1	.....	.....
Pyæmia	.....	1	.....	.....
Rheumatism	1	.....	.....	.....
" Inflammatory	2	.....	.....	.....
Septicæmia	1	1	.....	.....
Softening of Brain	1	1	.....	.....
Stricture of Bowels	1	1	.....	1
Suicide	1	.....	.....	.....
Sclerosis of Brain	.....	1	.....	.....
Spina Bifida	.....	.....	.....	1
Under 1 year	74	60	34	25
Between 1 and 2 years	19	20	11	7
" 2 and 5 years	25	10	6	5
Total under 5 years	118	90	51	37
Between 5 and 10 years	7	14	6	4
" 10 and 15 years	5	2	2	2
" 15 and 20 years	13	11	1	5
" 20 and 30 years	24	16	7	6

Cause of Death.	White.		Colored.	
	M.	F.	M.	F.
Syphilis	1	2	.....	1
Trismus Nascentium	1	.....	.....	1
Tumor, Cerebral	2	.....	.....	.....
Typhlitis	.....	.....	1	.....
Tabes Mesenterica	.....	.....	1	.....
Tetanus	1	.....	.....	.....
Uræmia	.....	1	.....	.....
Ulcer of Bowels	.....	1	.....	.....
Unknown, Adult	1	.....	.....	.....
Whooping Cough	7	3	1	3
Wounds by Cars	1	1	1	.....
" Crushed	1	1	.....	.....
" Fall	2	4	.....	1
" Gunshot	1	.....	.....	.....
Totals	338	361	98	95
Between 30 and 40 years	31	23	7	7
" 40 and 50 years	24	30	9	11
" 50 and 60 years	25	33	5	6
" 60 and 70 years	37	45	6	4
" 70 and 80 years	36	56	3	7
" 80 and 90 years	16	36	1	6
" 90 and 100 years	2	5	.....	.....
Total	338	361	98	95

GENERAL SUMMARY.

The Weather.—The mean barometric pressure during May was 30.07 inches; mean temperature, 62°; total precipitation, 3.11 inches, and prevailing direction of wind, *North* and *Northeast*. The temperature was .53° lower than the normal for the month, and the deficiency in precipitation was .44 inches. The total number of clear and fair days was 18.

Mortality.—The total deaths were 892, as against 1,012 for the corresponding month of 1890. Of these, 699 were white and 193 colored, a death rate of 21.84 per thousand for the former and 32.62 per thousand for the latter. The death rate for the whole population was 23.52 per thousand. 60 persons died from infectious diseases, 94 from consumption and 123 from pneumonia. 296, or 33.2 per cent. of the total deaths, were in children under 5 years of age.

Infectious Diseases Reported.—During the month 173 cases of infectious diseases were reported, an increase of 26 over April. In diphtheria, croup, scarlet fever and whooping cough, there was an increase, and in measles a slight decrease.

Deaths in Hospitals.—Fifty-eight deaths occurred in public institutions, of which *twenty-three* were reported as non-residents.

Actual Mortality for the Month of June, 1891. *Males and Females, White and Colored.*

Cause of Death.	White.		Colored.	
	M.	F.	M.	F.
Abortion		1		
Angina Pectoris	1		1	
Apoplexy	7	8		1
Asthma		2		
Ascites		1		
Asthenia	1	1		
Bright's Disease	7	4	2	
Burns	1			
Capillary Bronchitis	3	3	1	
Cellulitis		1		
Cancer of Stomach	2		2	
" Rectum	1	2		
" Liver		1		
" Face	2	1		
" Breast		4		
" Uterus		2		
Child Birth		2		1
Calculus	2			
Cholera Infantum	38	33	9	5
" Morbus				2
Cirrhosis of Liver	1			

Cause of Death.	White.		Colored.	
	M.	F.	M.	F.
Fever, Typho-Malarial		2		
Fracture of Skull	1			1
Gastro Enteritis	3	4	1	1
Hernia		1		
" Strangulated	1			
Hemorrhage of Stomach	1			
" Navel			2	
" Brain		1	1	
" Lungs	2		1	
Hydrocephalus	1	1		
Indigestion	1			
Inanition	5	4	2	2
Insanity	1			
Inflammation of Brain	3	3		
" Bowels	5			
" Stomach	5	1	1	1
" Bronchi	7	4	3	1
" Kidneys	3	4	1	2
" Larynx	1			
" Liver	1			
" Pericardium	1			

Congestion of Brain	2	1		
" Lungs	2	2		
Consumption of Bowels	1			
" Lungs	19	23	11	7
Convulsions	10	10	2	3
" Puerperal		2		
Croup		3		
Cyanosis	1	2		
Dentition	10	3	1	1
Diabetes	1			
Debility		1		1
Delirium Tremens	2			
Diarrhœa	3	4		
Diphtheria	6	13		2
Disease of Heart	11	6	5	4
Dropsy (General)		3	2	1
Drowned	7		3	
Dysentery	7	3		1
Epilepsy		2		
Endocarditis				1
Enterocolitis	2	6	3	2
Execution	1			
Fever, Intermittent	1			
" Puerperal		1		
" Remittent	1		1	
" Scarlet	3	6		
" Typhoid	3	2	1	
Inflammation of Peritonæum	2	2		
" Pleura	1	1		
Influenza	5	9	6	3
Insolation	2	1	1	
Intemperance	2			
Laparatomy		2		
Marasmus	7	4	2	2
Meningitis	12	7	2	1
" Tubercular	2			2
" Cerebro Spinal	1	1		
Neurasthenia	1	1		
Old Age	14	11	3	
Ostitis			1	
Paralysis	8	7	1	3
Pneumonia	12	13	7	5
" Broncho	2		1	1
" Pleuro	1	2	1	
Poison		1		
Premature Birth	10	6	1	
Perityphlitis	1			
Puerperal Peritonitis		3		
" Septicæma		3		
Pæymia		1		
Rheumatism		2		
" Inflammatory				1
Scrofula			1	
Septicæmia		1		

Actual Mortality for the Month of June, 1891. *Males and Females, White and Colored.*

Cause of Death.	White.		Colored.	
	M.	F.	M.	F.
Softening of Brain	2	2	.....	1
Stricture of Bowels	1	.....	.....	.....
Suicide	2	1	.....	.....
Scalds	1	.....	.....	.....
Stomatitis	1	.....	.....	.....
Syphilis	.....	.....	1	1
Sun Stroke	.....	.....	1	.....
Trismus Nascentium	1	1	.....	.....
Tumor, Cerebral	1	.....	.....	.....
Uræmia	1	.....	.....	.....
Ulcer of Rectum	.....	1	.....	.....
Varicella	1	.....	.....	.....
Whooping Cough	2	4	1	1
Wounds by Cars	4	1	.....	.....
" Fall	4	1	.....	.....
Totals	305	273	86	61
Under 1 year	97	79	30	13
Between 1 and 2 years	20	20	5	10
" 2 and 5 years	18	20	2	5
Total under 5 years	135	119	37	28
Between 5 and 10 years	13	13	7	2
" 10 and 15 years	4	4	.....	1
" 15 and 20 years	3	9	3	4
" 20 and 30 years	24	15	8	5
" 30 and 40 years	16	18	8	3
Between 40 and 50 years	23	10	5	8
" 50 and 60 years	15	14	8	4
" 60 and 70 years	34	28	2	2
" 70 and 80 years	21	30	6	3
" 80 and 90 years	15	12	2	1
" 90 and 100 years	2	1	.....	.....
" 100 and 110 years	.....	.....	.....	.....
Above 110 years	.....	.....	.....	.....
Total	305	273	86	61

GENERAL SUMMARY.

The Weather.—The mean barometric pressure during June was 29.97 inches; mean temperature, 72°; total precipitation, 5.45 inches, and prevailing direction of wind, *Northwest.* The temperature was .25° lower than the normal for the month, and the excess in precipitation was 1.36 inches. The total number of clear and fair days was 16.

Mortality.—The total deaths were 725, as against 1,094 for the corresponding month of June, 1890. Of these, 578 were white and 147 colored, a death rate of 18.07 per thousand for the former and 24.84 per thousand for the latter. The death rate for the whole population was 19.12 per thousand. 48 persons died from infectious diseases, 60 from consumption and 45 from pneumonia. 319, or 44 per cent. of the total deaths, were in children under five years of age.

Infectious Diseases Reported.—During the month 167 cases of infectious diseases were reported, a decrease of 6 over the preceeding month.

Deaths in Hospitals.—*Sixty-two* deaths occurred in public institutions, of which *seventeen* were reported as non-residents.

Actual Mortality for the Month of July, 1891. *Males and Females, White and Colored.*

Cause of Death.	White.		Colored.	
	M.	F.	M.	F.
Albuminuria	2	4		
Ascites	1			
Appendicitis			1	
Anæmia Pernicious	1			
Angina Pectoris	1			
Apoplexy	7	13		1
Asthma	3		1	1
Asthenia	1	5	2	
Atrophy, Muscular				1
" Senile			1	
Atelectasis Pulmonum			1	
Bright's Disease	6	4	2	1
Burns	3			
Capillary Bronchitis	1	2	2	
Catarrh		1		
Cancer of Stomach	1	2		1
" Neck	1		1	
" Diffused		2		
" Liver	1	1		
" Bladder				1
" Breast		3		2
Endocarditis	1	1		1
Erysipelas	1			1
Enterocolitis	19	11	2	
Enuresis	1			
Fever, Malarial				1
" Remittent	1	1		
" Scarlet	2	6		
" Typhoid	1	4	1	3
" Typho-Malarial	1		1	1
Fracture of Vertebræ	1			
" Skull			1	
Gastro Enteritis	15	9	1	4
Hernia, Strangulated		1		
Hemorrhage of Navel		1	1	
" Brain	1	1	2	2
" Lungs	2	2		
Hydrocephalus			1	
Hæmoptysis	1			
Inanition	3	5	3	6
Indigestion	1			
Insanity		1		1

Cancer of Uterus	.....	7	.....	.....
" Bowels	1	.....	.....	.....
" Pelvis	.....	1	.....	.....
Child Birth	.....	.....	.....	1
Cholera Infantum	103	86	40	30
" Morbus	5	6	.....	2
Cirrhosis of Liver	1	1	.....	2
Concussion of Spine	1	.....	.....	.....
Congestion of Brain	1	1	.....	1
" Bowels	2	.....	.....	.....
Consumption of Lungs	31	38	16	10
Convulsions	12	19	4	7
" Puerperal	.....	1	.....	1
Croup	2	.....	.....	.....
Caries of Spine	.....	1	.....	.....
Cyanosis	2	3	1	.....
Dentition	4	3	1	2
Diabetes	1	.....	.....	.....
Delirium Tremens	.....	1	.....	.....
Diarrhœa	9	10	5	2
Diphtheria	4	8	.....	.....
Disease of the Heart	14	10	3	5
Dropsy (General)	.....	2	.....	1
" Cardiac	.....	.....	.....	1
Drowned	7	.....	1	.....
Dysentery	16	16	3	2
Epilepsy	1	2	.....	.....
Inflammation of Brain	2	1	.....	.....
" Bladder	2	.....	.....	1
" Bowels	5	3	1	3
" Stomach	7	3	2	4
" Bronchi	1	1	3	1
" Kidneys	3	3	2	.....
" Liver	4	.....	.....	.....
" Peritonæum	5	6	.....	.....
" Pleura	1	.....	.....	.....
" Tonsils	.....	1	.....	.....
Intemperance	6	.....	1	1
Jaundice	1	.....	.....	.....
Myelitis	1	1	.....	.....
Marasmus	22	16	4	4
Measles	.....	1	.....	.....
Meningitis	7	8	.....	.....
" Tubercular	2	4	1	.....
" Cerebro Spinal	.....	1	.....	1
Murder	1	.....	.....	.....
Neuritis	.....	1	.....	.....
Neurasthenia	1	.....	.....	.....
Œdema of Lungs	.....	1	.....	.....
Old Age	11	13	.....	4
Paralysis	4	7	3	3
Pneumonia	8	3	1	9
" Broncho	.....	.....	.....	1
" Pleuro	.....	2	.....	.....

Actual Mortality for the Month of July, 1891. *Males and Females, White and Colored.*

Cause of Death.	White.		Colored.	
	M.	F.	M.	F.
Poison	1			
Phlebitis		1		
Progressive Locomotor Ataxia		1		
Premature Birth	9	9	4	
Prolonged Labor	2	1		1
Pott's Disease			1	
Purpura		1		
Puerperal Peritonitis		1		
" Septicæma		3		1
Pyæmia		1		
Rheumatism		2	3	
" Inflammatory	1	1		
Stricture of Bowels	1	1		
Scrofula		1		1
Softening of Brain	2			
Suicide	1	1		
Syphilis	1			1
Tetanus			1	
Trismus Nascentium		1		1
Tumor, Ovarian		1		
" Cerebral		1		
Uræmia		3		2
Ulcer of Bowels	2			
" Stomach	1	1		
Unknown Adult	1			1
" Infant		1		
Whooping Cough	4	2	1	1
Wounds by Cars	6			
" Crushed	2		1	
" Fall	1			
" Gunshot			1	
Totals	426	406	128	136

Under 1 year	190	167	67	64
Between 1 and 2 years	31	27	7	6
" 2 and 5 years	14	13	4	5
Total under 5 years	235	207	78	75
Between 5 and 10 years	14	10	2	3
" 10 and 15 years	6	11		1
" 15 and 20 years	8	12	4	4
" 20 and 30 years	30	22	10	9
Between 30 and 40 years	26	28	7	8
" 40 and 50 years	19	21	12	11
" 50 and 60 years	28	26	6	4
" 60 and 70 years	31	26	5	13
" 70 and 80 years	18	21	4	4
" 80 and 90 years	10	20		2
" 90 and 100 years	1	2		2
Total	426	406	128	136

GENERAL SUMMARY.

The Weather.—The mean barometic pressure during July was 30.03 inches; mean temperature, 72°; total precipitation, 7.79 inches and prevailing direction of wind *Southwest.* The temperature was 2.16° lower than the normal for the month, and the excess in precipitation was 2.85 inches. The total number of clear and fair days was 7.

Mortality.—The total deaths were 1,096, an excess over the corresponding month of July, 1890, of 183. Of these, 832 were white and 264 colored, a death rate of 26.00 per thousand for the former and 44.61 per thousand for the latter. The death rate for the whole population was 28.90 per thousand. 36 persons died from infectious diseases, 95 from consumption and 259 from cholera infantum. 595, or 54.00 per cent. of the total deaths, were in children under five years of age.

Infectious Diseases Reported.—During the month, 137 cases of infectious diseases were reported, a decrease of 30 from the preceding month.

Deaths in Hospitals.—*Seventy-three* deaths occurred in public institutions, of which *twenty-one* were reported as non residents.

Cause of Death.	White.		Colored.	
	M.	F.	M.	F.
Albuminuria	1	2	.....	.....
Asphyxia	.....	1	.....	.....
Abortion	.....	1	.....	.....
Angina Pectoris	1	.....	.....	.....
Apoplexy	8	9	1	.....
Asthma	.....	2	.....	.....
Asthenia	2	1	1	.....
Bright's Disease	4	9	1	2
Burns	1	1	2	.....
Capillary Bronchitis	.....	.....	.....	2
Cancer of Stomach	3	4	.....	.....
" Neck	1	.....	.....	.....
" Face	1	.....	.....	.....
" Diffused	.....	1	.....	.....
" Liver	2	.....	.....	.....
" Axilla	.....	1	.....	.....
" Breast	.....	3	.....	2
" Uterus	.....	3	.....	.....
Child Birth	.....	3	.....	.....
Carbuncle	.....	2	.....	.....
Cholera Infantum	35	42	21	14
Fever, Typho-Malarial	1	6	.....	2
Fracture of Skull	1	.....	.....	.....
Gastro Enteritis	7	10	7	3
Hernia, Strangulated	.....	1	.....	.....
Hemorrhage of Navel	.....	.....	1	.....
" Lungs	2	.....	1	.....
Hydrocephalus	3	1	.....	.....
Inanition	8	7	6	3
Indigestion	1	.....	.....	.....
Insanity	1	1	.....	.....
Inflammation of Brain	1	2	.....	.....
" Bowels	7	9	.....	.....
" Stomach	4	5	3	1
" Bronchi	2	4	4	4
" Kidneys	6	1	1	4
" Pericardium	1	.....	1	.....
" Peritonæum	1	3	.....	.....
" Pleura	1	1	.....	.....
" Tonsils	.....	.....	.....	1
Intussusception	1	.....	.....	.....
Myelitis	1	.....	.....	.....

Cholera Morbus	3	4	1	1
Cirrhosis of Liver	5	2	.....	.....
Concussion of Brain	1	.....	.....	.....
Congestion of Brain	2	1	.....	.....
" Lungs	4	.....	.....	.....
Consumption of Lungs	26	27	11	15
Convulsions	12	8	3	2
" Puerperal	.....	1	.....	.....
Cellulitis	1	1	.....	.....
Cyanosis	.....	1	1	.....
Dentition	3	4	1	2
Diabetes	2	.....	.....	1
Diarrhœa	9	5	1	3
Diphtheria	7	10	1	.....
Disease of the Heart	7	10	2	1
Dropsy (General)	.....	2	1	1
Drowned	10	.....	4	.....
Dysentery	11	12	5	2
Endocarditis	1	3	.....	.....
Enterocolitis	8	9	2	2
Eczema	1	.....	.....	.....
Fever, Intermittent	1	.....	.....	.....
" Malarial	3	.....	.....	.....
" Puerperal	.....	1	.....	.....
" Remittent	.....	3	.....	.....
" Scarlet	1	5	.....	.....
" Typhoid	5	7	1	1

Marasmus	13	17	4	6
Meningitis	6	6	.....	1
" Tubercular	1	.....	.....	1
" Cerebro Spinal	.....	2	.....	.....
Neuritis	1	.....	.....	.....
Neurasthenia	.....	1	.....	.....
Osteomyelitis	1	.....	.....	.....
Old Age	18	24	.....	3
Paralysis	8	6	3	3
Pneumonia	6	4	3	3
Poison	.....	1	.....	.....
Progressive Locomotor Ataxia	1	.....	.....	.....
Premature Birth	4	6	6	1
Prolonged Labor	1	1	.....	.....
Puerperal Peritonitis	.....	2	.....	.....
" Septicæma	.....	1	.....	.....
Stomatitis	1	.....	.....	.....
Stricture of Bowels	.....	1	.....	.....
Scrofula	.....	.....	.....	2
Softening of Brain	1	1	.....	.....
Suffocation in Sink	1	.....	.....	.....
Septicæmia	1	.....	.....	.....
Suicide	4	2	.....	.....
Syphilis	1	.....	.....	.....
Tabes Mesenterica	1	.....	1	.....
Trismus Nascentium	2	2	1	.....
Tumor, Abdominal	.....	2	.....	1

Actual Mortality for the Month of August, 1891. *Males and Females, White and Colored.*

Cause of Death.	White.		Colored.	
	M.	F.	M.	F.
Tumor, Cerebral	1			1
Uræmia	1			
Unknown Adult				2
" Infant	1		2	1
Varicella		1		
Whooping Cough	3		1	6
Wounds by Cars	3		1	
Wounds by Crushed	1			
" Fall	4			
" Gunshot			1	
" Splinter	1			
Totals	318	332	107	100
Under 1 year	101	95	58	36
Between 1 and 2 years	27	36	6	12
" 2 and 5 years	9	11	7	5
Total under 5 years	137	142	71	53
Between 5 and 10 years	10	14	6	5
" 10 and 15 years	6	5	3	2
" 15 and 20 years	12	9	1	2
" 20 and 30 years	16	29	7	8
Between 30 and 40 years	15	24	1	7
" 40 and 50 years	24	22	6	4
" 50 and 60 years	29	18	5	8
" 60 and 70 years	29	24	5	3
" 70 and 80 years	32	25	1	6
" 80 and 90 years	6	18	1	2
" 90 and 100 years	2	2		
Total	318	332	107	100

GENERAL SUMMARY.

The Weather.—The mean barometric pressure during August was 30.00 inches; mean temperature, 74°; total precipitation, 4.24 inches, and prevailing direction of wind, *Northwest.* The temperature was 4° lower than normal for the month, and the deficiency in precipitation was .24 inches. The total number of clear and fair days was 4.

Mortality.—The total deaths were 857, a decrease of 32, compared with the corresponding month of August, 1890. Of these, 650 were white and 207 colored, a death rate of 20.31 per thousand for the former and 35.00 per thousand for the latter. The death rate for the whole population was 22.60 per thousand. 35 persons died from infectious diseases, 79 from consumption and 112 from cholera infantum. 403, or 44.00 per cent. of the total deaths, were in children under five years of age.

Infectious Diseases Reported.—During the month 140 cases of infectious diseases were reported, an increase of 3 over the preceding month.

Deaths in Hospitals.—*Sixty-three* deaths occurred in public institutions, of which *seventeen* were reported as non-residents.

Actual Mortality for the Month of September, 1891. *Males and Females, White and Colored.*

Cause of Death.	White.		Colored.	
	M.	F.	M.	F.
Abscess of Pelvic		1		
" Perityphlitic		1		
Asphyxia	1	1		
Anæmia		1		
Angina Pectoris	1	1		
Apoplexy	4	12	1	3
Asthma	3	1		
Asthenia	1		1	1
Atelectasis Pulmonum				1
Bright's Disease	6	6	4	
Burns	4	2		
Capillary Bronchitis	1		1	1
Cancer of Stomach	1	3	1	
" Neck	1			
" Face	1	1		
" Diffused		2		
" Kidneys	1			
" Liver	1	1		
" Scalp		1		
" Pancreas			1	
" Breast		4		1
Erysipelas	3			
Enterocolitis	6	5		1
Electric Shock	1			
Fever, Intermittent	1			
" Malarial	1	4	1	
" Remittent	1	1		2
" Scarlet	4	4	1	2
" Typhoid	11	7	1	3
" Typho-Malarial	3	2		
Fracture of Femur	1			
" Skull	1			
Gangrene Senile	1			
Gastro Enteritis	8	2	4	4
Hernia	1			
" Strangulated	1			
Hemorrhage of Bowals	1			
" Brain		2		
" Lungs	1			
Hydrocephalus		1	1	
Hæmoptysis			1	
Inanition	15	4	2	5

Cancer of Uterus		9		2
" Jaw	2			
" Pelvis	1			
Child Birth		1		
Carbuncle	1			
Cholera Infantum	20	14	14	8
" Morbus	1			
Cirrhosis of Liver	1	1		1
Concusion of Brain	1			
Congestion of Brain	1	3	1	1
" Lungs		1		
Consumption of Lungs	33	25	8	12
Convulsions	7	9	2	5
Croup	1		1	
Colic, Biliary		1		
Cyanosis		1		
Dentition	4	6		2
Diabetes	1			
Debility	1	1		
Diarrhœa	5	1	1	3
Diphtheria	10	20	1	2
Disease of the Heart	7	14	3	4
Dropsy (General)	1			
Drowned	3		1	
Dysentery	2	8		1
Epilepsy	2		1	
Endocarditis		1		
Inflammation of Brain	1			
" Bowels	6	3		
" Stomach	3	6	1	1
" Bronchi	2	4	1	1
" Kidneys	5	3		
" Liver	4	1		
" Pericardium		1		
" Peritonæum	5		1	
" Pleura				1
Intemperance	1			1
Jaundice	1			
Leucocythæmia	1			
Laparatomy		1		
Myelitis				1
Malformation		2		
Marasmus	22	17	2	5
Meningitis	6	6		1
" Tubercular	1	1		
" Cerebro Spinal	1			
Œdema of Brain		1		
Old Age	10	18		3
Paralysis	5	5		
Pneumonia	13	9	2	5
" Broncho		3		
" Typhoid		1		
Progressive Locomotor Ataxia	1			
Premature Birth	10	4	4	2

Actual Mortality for the Month of September, 1891. *Males and Females, White and Colored.*

Cause of Death.	White.		Colored.	
	M.	F.	M.	F.
Perityphlitis	1			
Pyæmia	1	1		1
Puerperal Peritonitis		2		
" Septicæma		1		
Rheumatism	2	2		
Stricture of Bowels		1		1
Scrofula			1	1
Softening of Brain	1			
Suffocation by Peach Stone		1		
Suicide	2			
Syphilis	2			1
Trismus Nascentium	1	2		1
Under 1 year	96	62	30	41
Between 1 and 2 years	28	25	5	7
" 2 and 5 years	14	15	3	8
Total under 5 years	138	102	38	56
Between 5 and 10 years	14	13	1	5
" 10 and 15 years	2	6	2	2
" 15 and 20 years	6	9		3
" 20 and 30 years	25	25	5	6

Cause of Death.	White.		Colored.	
	M.	F.	M.	F.
Tumor, Abdominal		1		
" Cerebral	1			
Unknown Adult		1		
" Infant		1	1	
Vomiting of Pregnancy		1		
Whooping Cough	5		1	2
Wounds by Cars	4			
" Fall	2	1		
" Gunshot	1			
Totals	313	287	67	93
Between 30 and 40 years	13	17	5	7
" 40 and 50 years	34	19	2	3
" 50 and 60 years	26	30	8	4
" 60 and 70 years	29	28	3	3
" 70 and 80 years	22	25	3	1
" 80 and 90 years	4	12		
" 90 and 100 years		1		3
Total	313	287	67	93

GENERAL SUMMARY.

The Weather.—The mean barometric pressure during September was 30.16 inches; mean temperature, 71°; total precipitation, 5.46 inches, and prevailing direction of wind, *Northwest.* The temperature was 3° higher than normal for the month, and the excess in precipitation was 1.62 inches. The total number of clear and fair days was 17.

Mortality.—The total deaths were 760, an increase of 107, compared with the corresponding month of September, 1890. Of these, 600 were white and 160 colored; a death rate of 18.75 per thousand for the former and 27.04 per thousand for the latter. The death rate for the whole population was 20.04 per thousand. 76 persons died from infectious diseases, 78 from consumption and 56 from cholera infantum. 334, or 43.81 per cent. of the total deaths, were in children under five years of age.

Infectious Diseases Reported.—During the month of September 179 cases of infectious diseases were reported, an increase of 39 over the preceding month.

Deaths in Hospitals.—*Eighty-four* deaths occurred in public institutions, of which *thirteen* were reported as non-residents.

Actual Mortality for the Month of October, 1891. *Males and Females, White and Colored.*

Cause of Death.	White.		Colored.	
	M.	F.	M.	F.
Abscess Liver	1			
" Hip			1	
Albuminurea	2	1		
Angina Pectoris	3		1	
Aneurism of Aorta			1	
Apoplexy	9	4	1	5
Asphyxia	1			
Ascites	1			
Asthma	3	1	1	
Asthenia	2	1	2	
Atrophy			1	
Abortion				2
Bright's Disease	6	4	1	3
Burns	1	1		
Capillary Bronchitis	1	4	2	
Cancer of Stomach	1	1		
" Duodenum			1	
" Rectum	2			
" Liver	1	2	1	
" Bladder	1			
" Maxillary	1			

Cause of Death.	White.		Colored.	
	M.	F.	M.	F.
Eczema		1		
Endocarditis	1			
Enterocolitis	6	6	2	
Fever, Intermittent	1			
" Malarial		1		1
" Remittent				2
" Scarlet	9	5	1	
" Typhoid	11	16	1	1
" Typho-Malarial	2			
Fracture of Skull	2	1		
Gall Stones	1			
Gout		1		
Gastro Enteritis	3	2	1	1
Hernia		1		
" Strangulated		1		
Hemorrhage of Navel	1			
" Brain	1	2		1
" Lungs		1		
" Uterus		1		
Hydrocephalus	2			
Hæmoptysis			1	

Cancer of Uterus		4		4
" Ventricular	1	1		
" Cervix		1		
Child Birth		1		
Carbuncle	1			
Cholera Infantum	7	3		1
Cirrhosis of Liver	2	1		
Congestion of Brain	2	1		
" Lungs	1	5		1
Consumption of Bowels	1	1		
" Lungs	27	27	13	9
Convulsions	9	11	4	7
Croup	6			1
Cyanosis		3		2
Dentition	3	5		3
Debility	1	1		
Diabetes	1	2		
Dyspepsia	1			
Diarrhœa	1	14	1	5
Diphtheria	18	18	1	5
Disease of Heart	19	20	6	3
" Spine	1			
Dropsy (General)		1		
" Cardiac	1			
Drowned			1	
Dysentery	3	2		2
Epilepsy			1	
Inanition	8	6	7	5
Indigestion	1			
Inflammation of Brain	2		1	
" Bladder	1			
" Bowels	3	2		
" Stomach	3	7		3
" Bronchi	14	4	1	2
" Kidneys	6	3		1
" Larynx	1			
" Pericardium			1	1
" Peritonæum	4	2	1	1
" Pleura	3	1		
Influenza	1			
Iscuria	1	1		
Intemperance	2			
Jaundice	1			
Mumps		1		
Malaria		1		
Malformation	1			
Marasmus	13	20	6	3
Meningitis	10	3	3	1
" Tubercular	4	1		
" Cerebro Spinal	1			
Murder		1		
Old Age	10	17	1	4
Paralysis	10	7	2	2
Pneumonia	24	12	7	5

Actual Mortality for the Month of October, 1891. *Males and Females, White and Colored.*

Cause of Death.	White.		Colored.	
	M.	F.	M.	F.
Pneumonia, Broncho	1			1
" Typhoid			1	
Premature Birth	7	8	2	3
Pott's Disease	1			
Placenta Prævia		1		
Progressive Locomotor Ataxia	1			
Rheumatism	1			
" Inflammatory	1			
Scalds		1		
Stricture of Bowels	1			
Septicæmia	1	1		1
Scrofula	1	1	3	
Softening of Brain	2			1
Suffocation by Illuminat'g Gas		1		
Suicide	2	3		1
Syphilis	1	1		1
Typhlitis	1			
Trismus Nascentium	3	3	2	
Tumor, Ovarian		2		
" Cerebral		2		
Uræmia	1			
Ulcer of Bowels	1			
Unknown Adult	1			
" Infant	1			1
Whooping Cough			1	2
Wounds by Cars	8			
" Crushed	2		1	
" Fall	4	3		
Totals	348	296	86	98

Under 1 year	91	76	30	27
Between 1 and 2 years	25	25	10	18
" 2 and 5 years	18	19	4	9
Total under 5 years	134	120	44	54
Between 5 and 10 years	23	10	2	3
" 10 and 15 years	6	2		
" 15 and 20 years	5	10	1	1
" 20 and 30 years	36	27	7	5
Between 30 and 40 years	32	18	11	5
" 40 and 50 years	26	18	9	6
" 50 and 60 years	33	33	7	9
" 60 and 70 years	28	22	2	6
" 70 and 80 years	13	26	3	5
" 80 and 90 years	11	10		4
" 100 and 110 years	1			
Total	348	296	86	98

GENERAL SUMMARY.

The Weather.—The mean barometric pressure during October was 30.11 inches; mean temperature, 55°; total precipitation, 2.76 inches, and prevailing direction of wind, *Northwest.* The temperature was 1.01° lower than the normal for the month, and the deficiency in precipitation was .33 inches. The total number of clear and fair days was 14.

Mortality.—The total deaths were 828, an increase of 179, compared with the corresponding month of October, 1890. Of these, 644 were whites and 184 colored, a death rate of 20.12 per thousand for the former and 31.09 per thousand for the latter. The death rate per thousand for the whole population was 21.84. 96 persons died from infectious diseases, 76 from consumption and 11 from cholera infantum. 352, or 42.51 per cent. of the total deaths, were in children under five years of age.

Infectious Diseases Reported.—During the month of October 248 cases of infectious diseases were reported, an increase of 69 over the preceeding month.

Deaths in Hospitals.—*Seventy-two* deaths occurred in public institutions, of which *nine* were reported as non-residents.

Actual Mortality for the Month of November, 1891. *Males and Females, White and Colored.*

Cause of Death.	White.		Colored.	
	M.	F.	M.	F.
Abscess Liver			1	
Albuminuria		1		
Angina Pectoris	2	5	1	
Aneurism of Aorta	3			
Apoplexy	5			1
Asthma	2	1		1
Asthenia	1	1	2	1
Bright's Disease	8	7	2	
Burns	2	5	1	1
Congestive Chill				1
Capillary Bronchitis	1	2		3
Cancer of Stomach	3	5		
" Neck	1			1
" Rectum		1		
" Liver		2	1	
" Face	1			
" Larynx	2			
" Uterus		2		
" Diffused	1			
" Pylorus		1		
" Breast		3		1

Cause of Death.	White.		Colored.	
	M.	F.	M.	F.
Fever, Scarlet	12	8		
" Typhoid	8	7	1	1
" Typho-Malarial	3	5		
" Puerperal		1		
Fracture of Spine	1			
Gastro Enteritis		1	2	
Hernia	1			
" Strangulated	1	3		
Hemorrhage of Brain	1		1	1
" Lungs		1		
" Uterus		1		
Hydrocephalus		2		
Inanition	2	7	4	2
Insanity		1		
Inflammation of Brain	4	3		
" Bladder	2			
" Bowels	1	3		
" Stomach	4	6	1	3
" Bronchi	8	11	2	3
" Kidneys	9	1	2	
" Larynx	3			

Cancer of Pleura			1	
Child Birth		1		1
Compression of Brain	1			
Cholera Infantum		1	1	1
Cirrhosis of Liver	2			
Congestion of Brain	3	3		1
" Lungs		2		2
Consumption of Bowels		1		
" Lungs	36	30	10	10
Convulsions	15	12	6	1
Croup	6	2		1
Cellulitis		1		
Dentition	3	1	1	
Diabetes		1		
Diarrhœa	2	1		
Diphtheria	26	32	2	3
Disease of the Heart	19	15	2	7
Dropsy (General)			1	1
" Cardiac				1
" Ovarian		1		
Drowned	1		1	
Dysentery		2		
Endocarditis	1			
Enterocolitis	1	1		
Erysipelas		1		
Fever, Malarial		3		
" Remittent		1		1
Inflammation of Liver	1			
" Pericardium		2		
" Peritonæum		1		3
" Pleura		1		
" Tonsils	1			1
Intussusception		1	1	
Intemperance	5	1		
Jaundice	1	2		
Laparatomy		1		1
Leucocythæmia	1	1		
Multiple Neuritis	1			
Malformation		1		
Marasmus	9	9	1	3
Meningitis	7	5	3	1
" Tubercular		3	1	
" Cerebro Spinal		1	1	
Measles	1	2		
Old Age	10	15		2
Paralysis	4	5	1	
Pneumonia	40	27	15	7
" Broncho	3			1
" Typhoid		3		
" Pleuro			1	
Premature Birth	8	5	1	3
Pyæmia	1			
Progressive Locomotor Ataxia	1			
Poison	1			

Actual Mortality for the Month of November, 1891. *Males and Females, White and Colored.*

Cause of Death.	White.		Colored.	
	M.	F.	M.	F.
Prolonged Labor	1			
Puerperal Peritonitis		1		
" Septicæma		2		
Rheumatism	1			1
Scalds			1	
Stricture of Bowels	1	1		
Septicæmia	1			
Suffocation by Smoke			1	
" Illuminat'g Gas	1			
Suicide	1			
Syphilis			1	
Tetanus		1		
Trismus Nascentium	2	1	1	1
Tumor, Ovarian		1		
" Cerebral	1			
" Kidneys	1			
Uræmia	1	1		
Unknown, Infantile		1	1	
Whooping Cough	2	1	1	
Wounds by Crushed	1			
" Fall	2			
" Pistol-shot			1	
Totals	319	305	78	74

Under 1 year	55	53	30	20
Between 1 and 2 years	34	18	4	5
" 2 and 5 years	29	29	5	7
Total under 5 years	118	100	39	32
Between 5 and 10 years	26	19	5	4
" 10 and 15 years	4	5	1	2
" 15 and 20 years	11	16	3	3
" 20 and 30 years	23	23	6	5
Between 30 and 40 years	24	25	7	9
" 40 and 50 years	26	16	5	7
" 50 and 60 years	23	30	5	7
" 60 and 70 years	39	31	6	2
" 70 and 80 years	11	27	1	2
" 80 and 90 years	12	10		
" 90 and 100 years	2	3		1
Totals	319	305	78	74

GENERAL SUMMARY.

The Weather.—The mean barometric pressure during November was 30.20 inches; mean temperature, 44°; total precipitation, 1.33 inches, and prevailing direction of wind, *Northwest.* The total number of clear and fair days was 12.

Mortality.—The total deaths were 776, an increase of 8, compared with the corresponding month of November, 1890. Of these, 624 were whites and 152 colored, a death rate of 19.50 per thousand for the former and 25.69 per thousand for the latter. The death rate per thousand for the whole population was 20.46. 112 died from infectious diseases, 86 from consumption and 3 from cholera infantum. 289, or 37.24 per cent. of the total deaths, were in children under 5 years of age.

Infectious Diseases Reported.—During the month of November 462 cases of infectious diseases were reported, an increase of 214 over the preceding month. The great increase noted is due to the enforcement of the infectious disease law.

Deaths in Hospitals.—Forty-eight deaths occurred in public institutions, of which *eleven* were reported as non-residents.

Cause of Death.	White.		Colored.	
	M.	F.	M.	F.
Abscess, Mastoid		1		
" Cerebral	2			
" Hepatic	1			
Albuminuria	2			
Anæmia, Pernicious		1		
Angina Pectoris	3	1		
Aneurism of Aorta	2			
Apoplexy	12	12	2	4
Asphyxia	3			
Ascites	1			
Asthma	5	3		
Asthenia	1	1		
Atelectasis Pulmonum		2		
Bright's Disease	5	10	2	2
Burns				2
Congestive Chill		1		
Capillary Bronchitis	7	8	3	5
Cancer of Stomach	1	1		
" Neck	1			
" Jaw	1			
" Pancreas	1			
Enterocolitis	1			
Epilepsy	1			
Erysipelas		1		
Fever, Malarial			1	
" Remittent	1	1		
" Scarlet	12	27		
" Typhoid	6	5	1	1
" Catarrhal		1		
" Puerperal		2		
Fracture of Skull	1			
" Femur		1		
Gastro Enteritis	1	3	3	1
Hernia, Strangulated		4		
Hemorrhage of Brain	5	4	1	1
" Lungs	1	1		
" Uterus		1		
Hydrocephalus	1			1
Influenza	41	44	10	14
Inanition	7	1	3	5
Insanity		1		
Inflammation of Brain	5	4		

Cancer of Tongue	1			
" Ovarian		1		
" Uterus		2		
" Diffused		1		
" Omentum	1			
" Breast		1		
Child Birth		1		1
Carbuncle	1			
Cyanosis	4	1		
Cirrhosis of Liver	2	2	1	
Congestion of Brain	1			
" Lungs	4	4	1	2
Consumption of Lungs	33	28	21	17
Convulsions	13	13	2	2
" Puerperal				2
Croup	1	6		
Concussion of Brain		1	1	
Dentition	1	1		
Debility		1		
Diabetes	2	2		1
Diarrhœa	2	3		
Diphtheria	28	18	1	2
Disease of the Heart	26	19	1	7
Dropsy (General)	1			1
Drowned	2			
Dysentery			2	1
Endocarditis	1	1		
Inflammation of Bladder	4		1	
" Bowels		1		
" Stomach	2	1	2	
" Bronchi	18	22	5	5
" Kidneys	8	4	2	2
" Larynx		1		
" Liver	2			
" Pericardium	1		1	
" Peritonæum		5		
" Pleura	1	1		
" Tonsils	1			
Intussusception				1
Intemperance	1			
Ischuria		1		
Jaundice	1			
Laparatomy		1		
Marasmus	9	9	1	3
Meningitis	7	3		1
" Tubercular	1	1	1	
" Cerebro Spinal	1			
Measles	1	2		
Old Age	12	26	1	7
Paralysis	7	18		2
Pneumonia	65	63	18	16
" Broncho		3		
" Typhoid	1	1		
" Pleuro	1	2		

Actual Mortality for the Month of December, 1891. *Males and Females, White and Colored.*

Cause of Death.	White.		Colored.	
	M.	F.	M.	F.
Premature Birth	8	5	3	4
Pyæmia	1			
Progressive Locomotor Ataxia		2		
Puerperal Peritonitis		1		
" Septicæmia		1		
Rheumatism	1	1		
Stricture of Bowels	1	3		
" Œsophagus	1			
Septicæmia			1	
Scrofula		1		1
Softening of Brain	1			
Suffocation by Illuminat'g Gas	1	1		
Suicide	5	1		
Syphilis		1		1
Tetanus	1	1		
Trismus Nascentium		1	1	
Tumor, Abdominal		1		
Tabes Mesenterica		1		
Uræmia				1
Unknown Adult	1			
" Infantile	1	1	1	
Whooping Cough	1			2
Wounds by Cars	5			
" Crushed	1			
" Fall	1	2		
Totals	429	437	94	118

Under 1 year	89	54	29	26
Between 1 and 2 years	24	30	12	9
" 2 and 5 years	32	30		5
Total under 5 years	145	114	41	40
Between 5 and 10 years	26	23	2	
" 10 and 15 years	6	10	2	4
" 15 and 20 years	12	12	3	3
" 20 and 30 years	18	26	5	7
Between 30 and 40 years	31	24	13	16
" 40 and 50 years	38	32	11	15
" 50 and 60 years	32	42	6	11
" 60 and 70 years	50	58	5	7
" 70 and 80 years	53	54	2	8
" 80 and 90 years	17	36	3	7
" 90 and 100 years	1	6	1	
Totals	429	437	94	118

GENERAL SUMMARY.

The Weather.—The mean barometric pressure during December was 20.32 inches; mean temperature, 44°; total precipitation, 3.24 inches, and prevailing direction of wind, *Northwest.* The total number of clear and fair days was 15.

Mortality.—The total deaths were 1,078, an increase of 331, compared with the corresponding month of December, 1890. Of these, 866 were whites and 212 colored, a death rate of 27.06 per thousand for the former and 35.83 per thousand for the latter. The death rate per thousand for the whole population was 28.43. 114 died from infectious diseases, 99 from consumption, 170 from pneumonia, and 109 from influenza. 340, or 31.50 per cent. of the total deaths, were in children under five years of age.

Infectious Diseases Reported.—During the month of December 748 cases of infectious diseases were reported, an increase of 286 over the preceding month.

Deaths in Hospitals.—*Eighty-seven* deaths occurred in public institutions, of which *nineteen* were reported as non-residents.

SUMMARY FOR THE YEAR 1891.

The total mortality for the year was 10,073. Of these, 7,838 were whites and 2,235 colored—a death rate for the former of 20.41 per thousand and 31.48 per thousand for the latter. The death rate per thousand for the whole population was 22.13.

REPORT

OF THE

ASSISTANT COMMISSIONER OF HEALTH.

REPORT.

BALTIMORE, January 8th, 1892.

JAS. F. MCSHANE, M. D.,
President of the Board of Health,
and Commissioner of Health.

SIR: I have the honor to submit the following report of the work assigned me for the year ending December 31st, 1891:

The tables appended will give you an account of the work performed by the employees of this department.

By reference to Table A it will be seen that the work of the Sanitary Inspectors has been thorough, they having made fourteen thousand seven hundred and thirty-nine (14,739) inspections.

The work of cleaning the sewers, inlets, gutter plates and ditches was effective and thoroughly done. During the past year there were removed six thousand eight hundred and ninety-five (6,895) cart loads of refuse, filth, etc., from the various sewers, inlets and gutter plates. In many instances much of the filth that collects under the gutter plates and sewer inlets

is removed by frequent flushing of water from the copious supply with which our City is furnished. This carries off the filth without the cost of removal, and at the same time adds greatly to the health of the City.

I can only add what my predecessor has already said in his previous report, by calling attention to the necessity of a revision of the statutes and ordinances pertaining to the proper conduct of this department, and the preservation of the public health.

During the short period of my service in this department, and being unfamiliar with its practical duties, it would be an act of injustice did I not return my thanks to the head of this department for his most valuable aid, and also to the officers connected therewith for their assistance.

Thanking you for your many acts of courtesy, I am,

Very respectfully,
Your obedient servant,

H. L. SPICER, M. D.,
Assistant Commissioner of Health.

TABLES.

TABLE A.

Number of Nuisances Examined and Abated by Sanitary Inspectors during the Year 1891.

Alleys cleaned	137
Alleys repaired	340
Alleys paved	228
Premises cleaned	124
Vacant lots drained and cleaned	183
Vacant lots filled	41
Manure pits constructed	53
Manure pits reconstructed and repaired	77
Manure pits cleaned	88
Drain pipes reconstructed and repaired	10
Drain pipes cleaned	35
Drain pipes laid	1,336
Yards cleaned	196
Yards drained	111
Yards repaired	133
Yards paved	28
Privies inspected and ordered cleaned	2,680
Privies reconstructed	139
Privies ventilated	61
Water closets repaired and ventilated	148
Excavating apparatus inspected	5
Cellars drained or filled	261
Cellars cleaned	121
Slaughter houses inspected	26
Stables reconstructed	25
Amount carried forward	6,586

TABLE A—Concluded.

Amount brought forward	6,586
Water pipes and hydrants repaired	98
Gutters repaired	89
Rain spouts reconstructed	82
Grass and weeds removed from gutters	152
Ice ponds examined and permits granted	12
Ice ponds examined and permits refused	0
Tenements ordered cleaned and whitewashed	133
Samples of pump water examined	22
Cases of infectious diseases examined	2,931
Goods destroyed from infected houses	104
Causes of death examined	283
Steamships visited and examined	89
Mattresses destroyed from steamships	41,620
Scow loads of refuse, &c., removed from steamships and destroyed	49
Number of patients sent to hospital	8
Complaints examined and no nuisance found to exist	217
Infected premises fumigated	752
Miscellaneous	189
Total	61,416

H. L. SPICER, M. D.,
Assistant Commissioner of Health.

TABLE B.

Number of Notices, Orders, &c., Issued from the Health Department, and Number of Official Letters Written and Received during the Year 1891.

Number of notices issued to clean privies.....	17,971
Number of notices issued to clean, repair, repave and pave yards	641
Number of notices issued to clean, bail, drain or fill cellars.....	481
Number of notices issued to clean, grade, pave and repair alleys.....	1,511
Number of notices issued to clean, drain or fill lots.....	316
Number of notices issued to reconstruct and ventilate water closets and privies.....	236
Number of notices issued to clean grass and weeds from gutters, sidewalks, streets, &c...	471
Number of notices issued to clean and properly construct manure pits, and remove manure..	222
Number of notices issued to repair hydrants and water pipes.....	179
Number of notices issued to clean and reconstruct stables.....	117
Number of notices issued to construct proper drainage, repair and clean drain pipes.....	398
Number of notices issued to disinfect premises.	61
Number of notices issued to reconstruct and repair defective plumbing.....	217
Amount carried forward.....	22,821

TABLE B—Concluded.

Amount brought forward	22,821
Miscellaneous notices	119
Number of permits issued to clean privies	43,475
Number of permits issued to clean privies at night	51
Number of official letters written	658
Number of official letters received	672
	67,796

H. L. SPICER, M. D.,

Assistant Commissioner of Health.

TABLE C.

Number of Interments in the Eastern and Western Public Cemeteries during the Year 1891.

EASTERN PUBLIC CEMETERY GEO. RINEHART, *Superintendent.*		WESTERN PUBLIC CEMETERY GEO. E. BROWN, *Superintendent.*	
January	16	January	27
February	21	February	14
March	16	March	24
April	19	April	25
May	27	May	24
June	18	June	16
July	30	July	37
August	16	August	17
September	18	September	18
October	35	October	15
November	23	November	16
December	28	December	16
	267		249

Total number of interments during the year 1891 . . 516

H. L. SPICER, M. D.,

Assistant Commissioner of Health.

TABLE D.

Number of Dead Animals, etc., Removed in the Eastern and Western Districts during the Year 1891.

EASTERN DISTRICT. G. RINEHART, *Superintendent.*		WESTERN DISTRICT. GEO. E. BROWN, *Superintendent.*	
Dogs	4,221	Dogs	3,401
Cats	5,329	Cats	5,892
Rats	4,986	Rats	4,716
Chickens	5,117	Chickens	4,394
Ducks	425	Ducks	325
Geese	75	Geese	57
Goats	24	Goats	29
Sheep	18	Sheep	13
Calves	13	Calves	5
Hogs	19	Hogs	67
Horses and Mules.	3	Horses and Mules.	2
Fish	9,739	Fish	8,764
Crabs	6,571	Crabs	6,391
Decayed meat (lbs).	149	Decayed meat (lbs).	728
Decayed eggs (doz).	560	Decayed eggs (doz.)	585
Cartloads of vegetable and other refuse removed from various docks	904		

Total number of dead animals	28,738
Total number of dead fowls	10,393
Total number of dead fish and crabs	31,465
Total number of pounds of decayed meat	877
Total dozens of decayed eggs	1,145
Total number of cartloads of vegetable and other offal removed from docks	904

H. L. SPICER, M. D.
Assistant Commissioner of Health.

TABLE E.

Showing Amount of Night Soil Delivered at Foley's and Winans' Dumps during the Year 1891.

Foley's Wharf, Canton.	Loads.	Gallons	Winans' Wharf, Spring Gardens	Loads.	Gallons.
January ..	368	73,600	January ..	1,945	389,000
February .	223	44,600	February .	2,875	575,000
March	191	38,200	March	3,396	679,200
April.....	1,104	220,800	April....	8,500	1,700,000
May	1,038	207,600	May.....	7,372	1,474,400
June	870	174,000	June	5,175	1,035,000
July.....	875	175,000	July	3,914	782,800
August ...	839	167,800	August ...	3,833	766,600
Sept..,...	787	157,400	Sept.....	3,402	680,400
October...	583	116,600	October...	2,925	585,000
Nov	434	86,800	Nov	2,097	419,400
December.	640	128,000	December.	1,917	383,400
	7,952	1,590,400		47,351	9,470,200

Total number of loads delivered at both dumps 55,303

Total number of gallons delivered at both dumps 11,060,600

H. L. SPICER, M. D.,

Assistant Commissioner of Health.

TABLE F.

Transcripts from the Records of Births and Deaths during the Year 1891.

FROM THE RECORDS OF DEATHS.

For pension claims	583
For life insurance claims	214
As evidence in court	7
To prove death	23
To complete family record	4
To be sent to foreign countries	32
Total	863

FROM THE RECORDS OF BIRTHS.

For pension claims	89
To be sent to forign countries	11
Total	100

H. L. SPICER, M. D.,

Assistant Commissioner of Health.

TABLE G.

Report of the Vaccine Physicians for the Year ending December 31st, 1891.

Wards.	Physicians.	Offices or Residences.	Number of Calls.	Number of Vaccinations.	Primary.	Secondary.	Successful.	Failed.	Not heard from.	Male.	Female.	White.	Colored.	Re-vaccinated.	Certificates of Vaccination given.
1st and 2d.	N. L. Dashiell, M. D..	700 S. Broadway..	1,701	1,094	666	428	582	84	428	569	525	1,052	42	.	627
3d and 4th	C. F. Maguire, M. D..	4 S. Exeter street.	1,349	307	301	6	231	48	28	143	164	303	4	.	276
5th and 6th	John Davis, M. D...	2102 Orleans street	2,400	1,331	715	616	1,259	20	52	622	709	1,146	185	.	1,640
7th and 8th	J. B. Saunders, M. D..	819 E. Chase st..	3,392	853	829	24	637	4	212	461	392	697	156	.	2,232
9th and 10th	August Horn, M. D..	697 W. Mulb'ry st.	2,894	1,121	1,051	70	1,055	7	59	503	618	307	814	.	487
11th and 12th	Thos. P. Cormick, M. D.	1421 Eutaw Place	1,711	387	386	1	374	2	11	168	219	142	245	.	154
13th and 14th	Jos. C. Wunder, M. D.	1303 Hollins street	3,667	966	824	142	933	24	9	458	508	765	201	7	590
15th and 16th	Joseph Blum, M. D....	641 Columbia ave.	1,780	790	561	229	389	117	284	445	345	447	353	.	731
17th and 18th	H. Stark, M. D.....	1101 Hanover st.	3,275	1,928	1,672	256	1,540	88	300	1,400	528	1,840	88	.	2,450
19th and 20th	M. K. Warner, M. D..	901 N. Stricker st.	1,975	757	647	110	637	. .	120	366	391	347	410	.	. . .
21st.....	J. B. Mullins, M. D..	952 Frederick r'd	1,196	308	200	108	109	20	179	140	168	260	48	8	259
22d.....	H. G. Prentiss, M. D..	403 Waverly ave.	2,584	871	487	384	650	52	169	415	456	554	317	.	982
		Totals.....	27,924	10,703	8,339	2,374	8,396	466	1,851	5,690	5,023	7,860	2,863	15	10,428

Total number of calls 27,924

Total number of vaccinations 10,703

H. L. SPICER, M. D.,
Assistant Commissioner of Health.

REPORT

OF THE

Resident Physician of the Quarantine Hospital.

REPORT.

QUARANTINE HOSPITAL,
PORT OF BALTIMORE, January 1st, 1892.

To the Honorable the Mayor and
City Council of Baltimore.

GENTLEMEN:

I have the honor to herewith submit the report of the Quarantine and Pest Hospital for the year ending December 31st, 1891.

The Old Quarantine, now the Pest Hospital, has been under the supervision of the Quarantine Physician since the separation of the two services and the removal of the Quarantine to its present location. The farm attached has been worked, and helped to supply the new hospital with its vegetables, provender, etc., a farmer and laborer having been retained there for that purpose.

It again becomes my duty to call your attention to the condition of this hospital. If it is to be retained as the City Pest Hospital, it is imperatively necessary that it be put in a condition to receive patients. The

buildings are in a most dilapidated state, the wharf is dangerous even to walk upon. In fact, should sufficient epidemic disease make its appearance in the City to warrant the opening of this hospital, its present uninhabitable condition would greatly embarrass the Health Department. In view of these facts, I must earnestly suggest that a committee from your Honorable Body visit and inspect this hospital, to enable you to make such recommendations as you may think best.

With the exception of a few necessary repairs, and the painting of the buildings, which on account of the exposed location becomes necessary every two years, I have no recommendations to make concerning the Quarantine Station. In point of location, equipment, etc., I think Baltimore has a Quarantine second to none in the country.

Notwithstanding the large number of vessels arriving at this port the past year, it only became necessary to detain two, each of which had cases of yellow fever on board.

Five hundred and ninety-four vessels have been boarded and inspected during the year. (See Table I.) And from these vessels we have collected and paid into the City Treasury the sum of $6,114.20. (See Table II.)

Table III shows the number and class of vessels with sickness on board, or from infected ports, detained at Quarantine for cleansing and disinfecting. There were two in all.

By referring to Table IV, you will find that only four patients were treated at this hospital during the year. Three were cases of yellow fever taken from vessels, and one a case of diphtheria sent from the City.

The cost of maintaining the Quarantine and Pest Hospital for the year was $17,871.13, as more fully shown by the Health Commissioner's report. The appropriation for the two places was $18,000, which leaves a surplus of $128.87, which the small amount of sickness will amply explain.

In conclusion, I beg to return my thanks to Dr. Edwin Geer for his intelligent assistance, and to say that the employees of the place have performed their duties in a manner deserving the highest praise.

Very respectfully,

Your obedient servant,

SYDNEY O. HEISKELL,

Quarantine Physician.

TABLES.

TABLE I.

Showing the Number and Class of Vessels Boarded and Inspected at Quarantine for Year ending December 31st, 1891.

Months.	Class of Vessels.					
	Steamships.	Ships.	Barks.	Brigs.	Sloops and Schooners.	Total.
January	3	....	....	....	....	3
February	3	....	....	....	....	3
March	4	....	....	....	....	4
April	8	....	....	....	....	8
May	42	....	6	3	58	109
June	35	....	2	1	68	106
July	43	1	5	1	41	91
August	67	1	3	1	21	93
September	54	....	4	3	21	82
October	41	3	7	1	25	77
November	10	....	1	....	....	11
December	7	....	....	....	....	7
Total	317	5	28	10	234	594

TABLE II.

Showing the Amount of Money Received for Quarantine Fees and Paid to the City Register for the Year ending December 31st, 1891.

Months.	CLASS OF VESSELS.					Total.
	Steamships.	Ships.	Barks.	Brigs.	Sloops and Schooners.	
January	$79 44	.....	.....	.....	.....	$79 44
February	57 69	.....	.....	.....	.....	57 69
March	221 37	.....	.....	.....	.....	221 37
April	157 68	.....	.....	.....	.....	157 68
May	632 31	.....	$32 83	$10 00	$163 65	838 79
June	483 42	.....	10 55	4 27	215 50	713 74
July	546 92	$12 05	34 24	2 66	133 15	729 02
August	1,003 17	16 61	16 87	2 49	85 80	1,124 94
September	846 44	.....	27 07	9 34	89 16	972 01
October	621 62	49 18	41 73	2 66	112 26	827 45
November	234 41	.....	6 54	.....	.....	240 95
December	151 12	.....	.....	.....	.....	151 12
Total	$5,035 59	$77 84	$169 83	$31 42	$799 52	$6,114 20

TABLE III.

Showing the Number and Class of Vessels Detained for Cleaning and Disinfecting for the Year ending December 31st, 1891.

Months.	CLASS OF VESSELS.					
	Steamships.	Ships.	Barks.	Brigs.	Sloops and Schooners.	Total.
January	....	....	....	....	....	....
February	....	....	....	....	....	....
March	....	....	....	....	....	....
April	....	....	....	....	....	....
May	....	....	....	....	....	....
June	....	....	....	....	....	....
July	1	....	....	....	....	1
August	1	....	....	....	....	1
September	....	....	....	....	....	....
October	....	....	....	....	....	....
November	....	....	....	....	....	....
December	....	....	....	....	....	....
Total	2	....	....	....	....	2

TABLE IV.

Showing the Number of Patients Treated at the Quarantine for the Year ending December 31st, 1891.

Disease.	Remaining over from 1890.	Received in 1891.	Discharged in 1891.	Died in 1891.	Remaining in Hospital.	Total.
Yellow Fever..	.....	3	1	2	.....	3
Diphtheria ...	.....	1	1	.....	.....	1
Total.....	.....	4	2	2	.....	4

REPORT

OF THE

Inspector of Plumbing.

REPORT.

BALTIMORE, January 2d, 1892.

JAMES F. MCSHANE, M. D.,

President of Board of Health,
and Commissioner of Health.

SIR:

I respectfully submit the eighth annual report of the work performed by me as Inspector of Plumbing for the year ending December 31st, 1891.

The tables accompanying this report will show in detail the number of permits issued, inspections made, etc:

In conformity with the requirements of Section 7 of the ordinance regulating the work of plumbing, I most respectfully inform you that fines to the amount of $20.20 were imposed for its violations.

I may be pardoned for again calling the attention of the Board to an *improvement* or important matter comprised in the duties of this office—the preservation of the plans of plumbing work. One of the objects of the system of inspections was the securing of such a

record that in after years a citizen might come into this department and obtain a statement in outline of the plumbing and drainage system of any house.

It does not seem advisable to me to enlarge this report by a description of any more special instances of defects. As my former reports amplified these subjects to a considerable extent, and as the public has been largely treated to sanitary literature through the many scientific journals, there is no occasion for illustration to convince the average citizen that disease comes from violation of the rules of sanitation, and that there is death in the atmosphere of defective soil and drain pipes.

In conclusion, accept my thanks for the kindness extended me by detailing an inspector of this department to supervise the work of laying drain pipes. The work performed by this gentleman has been quite satisfactory, and has aided me greatly in having it executed in accordance with the regulations. Also accept my thanks for your able support in my efforts to execute the duties of this office.

Very respectfully submitted,

Your obedient servant,

JOHN W. LEE,

Inspector of Plumbing.

TABLES.

TABLE No. 1.

Plans Received and Permits Granted for Plumbing and Drain Work during the Year ending December 31st, 1891.

Months.			Months.			Totals
January	Plumbing work.....	81	January	Drain pipes.....	58	139
February....	" "	65	February ...	" "	83	148
March.....	" "	61	March.....	" "	87	148
April.....	" "	123	April.....	" "	133	256
May	" "	107	May	" "	120	227
June	" "	147	June	" "	174	321
July.....	" "	132	July.....	" "	197	329
August.....	" "	113	August.....	" "	159	272
September ..	" "	134	September...	" "	119	253
October.....	" "	187	October.....	" "	111	298
November...	" "	116	November...	" "	51	167
December...	" "	86	December...	" "	44	130
Total.....	.....	1352	Total.....	.....	1336	2688

JOHN W. LEE,
Inspector of Plumbing.

TABLE No. 2.

Number of Inspections of Plumbing and Drain Work during the Year 1891.

Months.					Months.				Totals
January ..	Inspection of plumbing work			75	January ..	Inspection of drains	..	36	111
February .	"	"	"	127	February .	"	" ..	39	166
March	"	"	"	84	March	"	" ..	90	174
April	"	"	"	169	April	"	" ..	116	285
May	"	"	"	200	May	"	" ..	110	310
June	"	"	"	219	June	"	" ..	150	369
July	"	"	"	204	July	"	" ..	177	381
August ...	"	"	"	227	August ...	"	" ..	139	366
September	"	"	"	358	September	"	" ..	97	455
October...	"	"	"	212	October...	"	" ..	102	314
November.	"	"	"	164	November.	"	" ..	75	239
December .	"	"	"	172	December .	"	" ..	44	216
Total...	.....			2211	Total...	.....		1175	3386

JOHN W. LEE,
Inspector of Plumbing.

REPORT

OF

THE SECRETARY.

TABLE No. 1.

Salary Account for the Year 1891.

DR. APPROPRIATION, $36,100. CR.

To 33 Warrants on Comptroller	$35,288 66	By 1 voucher—January 1st	$2,466 74
		" 1 " January 31st	2,466 62
		" 2 " February 28th	3,445 31
		" 2 " April 1st	2,541 61
		" 1 " May 1st	2,541 74
		" 1 " June 1st	3,466 61
		" 1 " June 9th	50 00
		" 1 " July 1st	2,625 50
		" 1 " August 1st	2,708 40
		" 1 " September 1st	3,633 40
		" 1 " October 1st	2,708 27
		" 1 " October 31st	2,708 42
		" 1 " December 1st	3,633 42
		" 1 " December 14th	42 50
		" 8 " December 19th	113 82
		" 3 " December 22d	16 10
		" 1 " December 24th	4 75
		" 5 " December 28th	115 45
To 33 Warrants on Comptroller	$35,288 66	By 33 vouchers	$35,288 66
To Resolution No. 277	500 00	By Resolution No. 277	500 00
To balance unexpended	311 34	By balance unexpended	311 34
	$36,100 00		$36,100 00

A. R. CARTER, *Secretary Board of Health.*

TABLE No. 2.

Salary Account for Post Mortem Medical Examiners for Year 1891.

Dr.		Appropriation, $1,500.	Cr.
To 24 Warrants on Comptroller	$1,500 00	By 12 vouchers—N. G. Keirle, M. D.	$1,000 00
		" 12 " J. B. Schwatka, M. D	500 00
To 24 Warrants on Comptroller	$1,500 00	By 24 vouchers	$1,500 00

A. R. CARTER, *Secretary Board of Health.*

TABLE No. 3.

General Health Account for the Year 1891.

DR. APPROPRIATION, $12,000. SALE OF VIRUS, $16.75. COFFINS, $9.75. TOTAL, $12,026.50. CR.

To 360 Warrants on Comptroller	$12,026 50	By	12	vouchers—Interments E. P. Cemetery	$1,502 25
		"	12	" Interments W.P. Cemetery	1,406 50
		"	36	" Coffins	1,768 00
		"	6	" Disinfector's salary	399 98
		"	33	" Livery and shoeing	532 89
		"	53	" Sundry supplies	204 13
		"	26	" Wagons and repairs	547 40
		"	41	" Postage	292 52
		"	30	" Abating nuisances	975 45
		"	18	" Virus	977 50
		"	5	" Repairs public cemeteries	683 79
		"	26	" Books, advertising, etc	279 30
		"	9	" Telephones and messages	335 94
		"	4	" Analyses	130 00
		"	9	" Disinfectants, fumigators	173 62
		"	29	" Bedding and articles dest'd	569 49
		"	2	" Ice and racks	102 50
		"	1	" Typewriter	125 00
		"	1	" Maps	40 00
		"	3	" Fumigating house	433 34
		"	4	" Annual report	546 90
To 360 Warrants on Comptroller	$12,026 50	By 360 vouchers			$12,026 50

A. R. CARTER, *Secretary Board of Health.*

TABLE No. 4.

Nuisance and Sewer Account for the Year 1891.

Dr.		Appropriation, $12,000.		Cr.
To 173 Warrants on Comptroller	$11,978 13	By 52 vouchers—H. Paff, sewer work		$5,656 48
		" 51 " M. F. Gorman, sewer work		5,231 52
		" 18 " Livery and shoeing		240 00
		" 24 " Tools		246 83
		" 15 " Repairs		185 17
		" 3 " Lumber		30 71
		" 1 " Rent of shed		60 00
		" 5 " Acid and lime		166 20
		" 1 " Abating nuisance		22 50
		" 2 " Pumping		16 50
		" 1 " Removing refuse		122 22
To 173 Warrants on Comptroller	$11,978 13	By 173 vouchers		$11,978 13
To unexpended balance	21 87	By balance unexpended		21 87
	$12,000 00			$12,000 00

A. R. CARTER, *Secretary Board of Health.*

TABLE No. 5.

Account of the Quarantine Hospital of the Port of Baltimore for the Year 1891.

DR. APPROPRIATION, $18,000. CR.

To 134 Warrants on Comptroller	$17,871 13	By	12	vouchers—Pay rolls	$12,026 00
		"	12	" Groceries	863 28
		"	12	" Provisions	1,473 08
		"	16	" Supplies	554 37
		"	13	" Ice	109 38
		"	15	" Coal	913 26
		"	5	" Insurance	272 90
		"	1	" Coffins	48 00
		"	3	" Lumber	76 46
		"	6	" Fertilizers and shells	286 40
		"	1	" Flags	31 50
		"	4	" Medicines	20 75
		"	1	" Cow	17 00
		"	4	" Tableware and curtains	52 95
		"	5	" Seed	21 76
		"	1	" Bedding	64 00
		"	1	" Lounge	25 75
		"	1	" Carpets	40 80
		"	1	" Electric bells	27 80
		"	1	" Safe	60 00
		"	4	" Feed	192 35
		"	12	" Repairs	628 64
		"	3	" Sundry small bills	64 70
To 134 Warrants on Comptroller	$17,871 13	By 134 vouchers			$17,871 13
To balance unexpended	128 87	By balance unexpended			128 87
	$18,000 00				$18,000 00

A. R. CARTER, *Secretary Board of Health.*

TABLE No. 6.

Account for Removing Filth from Docks for Year 1891.

DR. APPROPRIATION, $3,500. RESOLUTION, No. 277, $500.00. TOTAL, $4,000.00. CR.

To 21 Warrants on Comptroller.....	$3,898 31	By 17 vouchers—George Rinehart.....	$3,658 50
		" 1 " J. Johnson.....	9 31
		" 2 " M. W. Adams.....	226 00
		" 1 " F. Phillips.....	4 50
To 21 Warrants on Comptroller.....	$3,898 31	By 21 vouchers.....	$3,898 31
To balance unexpended.....	101 69	By balance unexpended.....	101 69
	$4,000 00		$4,000 00

A. R. CARTER, *Secretary Board of Health.*

TABLE No. 7.

Account for Furnishing the Morgue for Year 1891.

Dr.	Appropriation, $500.		Cr.
To 32 Warrants on Comptroller	$497 85	By 32 vouchers—Furniture and supplies	$497 85
To balance unexpended	2 15	By balance unexpended	2 15
	$500 00		$500 00

A. R. CARTER, *Secretary Board of Health.*

TABLE No. 8.

Contract for the Removal of Refuse from Packing and Canning Houses for Year 1891.

Dr.	Appropriation, $5,000.		Cr.
To 3 Warrants on Comptroller	$5,000 00	By 1 voucher—Dougherty & Co.	$122 22
		" 1 " M. W. Adams	2,916 67
		" 1 " M. W. Adams	1,961 11
To 3 Warrants on Comptroller	$5,000 00	By 3 vouchers	$5,000 00

A. R. CARTER, *Secretary Board of Health.*

TABLE No. 9.

Salary Account City Annex for Year 1891.

Dr.	Appropriation, $3,800.		Cr.
To 12 Warrants on Comptroller	$3,180 00	By 12 vouchers—A. R. Carter, Secretary	$3,180 00
To Resolution No. 280	620 00	By Resolution No. 280	620 00
	$3,800 00		$3,800 00

A. R. CARTER, *Secretary Board of Health.*

TABLE No. 10.

Nuisance and Sewer Account, City Annex, for Year 1891.

DR. APPROPRIATION, $1,200. RESOLUTION No. 280, $620. TOTAL $1,820. CR.

To 30 Warrants on Comptroller		$1,814 00	By 13 vouchers—George Rinehart		$808 50
			" 13 " George E. Brown		801 50
			" 3 " H. Paff		149 99
			" 1 " M. F. Gorman		54 01
To 30 Warrants on Comptroller		$1,814 00	By 30 vouchers		$1,814 00
To balance unexpended		6 00	By balance unexpended		6 00
		$1,820 00			$1,820 00

A. R. CARTER, *Secretary Board of Health.*

TABLE No. 11.

Statement of Appropriations to, Expenditures by, and Uuexpended Balance of the Health Department for the Year 1891.

APPROPRIATIONS.	
Salaries, $36,100.00, less Resolution No. 277, $500	$35,600 00
Salaries, Post Mortem Medical Examiners	1,500 00
General Health, $12,000.00; Virus, $16.75; Coffins, $9.75	12,026 50
Nuisance and Sewers	12,000 00
Quarantine Hospital	18,000 00
Removal of Filth from Docks, $3,500.00 ; Resolution No. 277, $500	4,000 00
Furnishing Morgue	500 00
Contract for the Removal of Packing and Canning House Refuse	5,000 00
	$88,626 50
EXPENDITURES.	
Salaries	$35,288 66
Salaries, Post Mortem Medical Examiners	1,500 00
General Health	12,026 50
Nuisance and Sewers	11,978 13
Quarantine Hospital	17,871 13
Removal of Filth from Docks	3,898 31
Furnishing Morgue	497 85
Contract for the Removal of Packing and Canning House Refuse	5,000 00
	$88,060 58

TABLE No. 11.—Concluded.

CITY ANNEX.	
Salaries—Appropriation, $3,800, less Resolution No. 280, $620	$3,180 00
Nuisance and Sewers — Appropriation, $1,200; Resolution No. 280, $620	1,820 00
	$5,000 00
UNEXPENDED BALANCES.	
Salaries	$311 44
Nuisance and Sewers	21 87
Quarantine Hospital	128 87
Removing Filth from Docks	109 69
Furnishing Morgue	2 15
	$574 02
EXPENDITURES—CITY ANNEX.	
Salaries	$3,180 00
Nuisance and Sewers	1,814 00
	$4,994 00
UNEXPENDED BALANCES—CITY ANNEX.	
Nuisance and Sewers	$6 00

A. R. CARTER,

Secretary Board of Health.

TABLE No. 12.

Annual Report of Deaths from all Causes in the City of Baltimore for the Year 1891.

Causes of Death.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Totals.
Abscess of Liver	1	....	1	....	....	....	....	....	....	1	1	1	5
" of Lungs	....	1	....	....	....	....	....	....	....	....	....	....	1
" of Brain	....	....	....	....	1	....	....	....	....	....	....	2	3
" of Neck	....	....	....	....	1	....	....	....	....	....	....	....	1
" of Pelvis	...	....	....	....	1	....	....	....	1	....	....	....	2
" of Hip	....	....	....	....	....	....	....	....	....	1	....	....	1
" Pentyphlitic	....	....	...	....	....	....	....	....	1	....	....	....	1
" Mastoid	....	....	....	....	....	....	....	....	....	....	....	1	1
Abortion	....	....	1	....	....	1	...	1	....	2	....	....	5
Ascites	....	1	....	1	2	1	1	....	....	1	....	1	8
Atheroma	....	...	....	....	1	....	....	....	....	....	....	....	1
Anæmia	....	2	....	....	....	....	....	....	1	....	....	....	3
" Pernicious	1	....	1	....	....	....	1	....	2	....	....	1	6
Angina Pectoris	4	1	2	3	2	2	1	1	....	4	8	4	32
Apoplexy	18	19	23	17	17	16	21	18	20	19	6	30	224
Asphyxia	2	1	....	2	3	....	....	1	2	1	....	3	15

TABLE No. 12—Continued.

Causes of Death.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November.	December.	Totals.
Asthma	4	4	9	7	7	2	5	2	4	5	4	8	61
Asthenia	12	10	4	3	9	2	8	4	3	5	5	2	67
Atrophy, Muscular	....	....	....	....	....	....	1	....	1	....	....	....	2
" Senile	....	....	....	....	....	....	1	....	....	....	....	....	1
" of Liver	2	....	....	....	....	....	....	....	....	....	....	....	2
Atelectasis Pulmonem.	6	3	....	2	1	....	1	....	1	....	....	2	16
Appendicitis	....	1	....	....	....	....	1	....	....	....	....	....	2
Albuminuria	....	1	1	....	1	....	6	3	....	3	1	2	18
Aneurism of Aorta	....	3	1	....	1	....	....	....	....	1	3	2	11
Bright's Disease	11	20	23	18	20	13	13	16	16	14	17	19	200
Burns	3	1	6	7	3	1	3	4	6	2	9	2	47
Capillary Bronchitis	4	11	6	6	13	7	5	2	3	7	6	23	93
Child Birth	2	3	2	4	3	3	1	3	1	1	2	2	27
Cholera Infantum	1	1	....	....	3	85	259	112	56	11	3	....	531
" Morbus	....	....	....	....	2	2	13	9	1	....	....	....	27
Cirrhosis of Liver	3	3	5	7	8	1	4	7	3	3	2	5	51
Congestion of Brain	5	2	5	5	3	3	3	3	6	3	7	1	46

Congestion of Lungs.....	8	6	9	2	5	4	...	4	1	7	4	11	61
" of Bowels	....	....	....	....	....	....	2	....	....	....	....	....	2
Congestive Chill.....	....	....	....	2	....	....	....	....	....	....	1	1	4
Consumption of Bowels ..	....	2	1	1	....	1	....	....	....	2	1	....	8
" of Lungs...	104	102	94	106	94	60	95	79	78	76	86	99	1,073
Convulsions.....	36	34	24	23	25	25	42	25	23	31	34	30	352
" Puerperal....	1	....	....	2	1	2	2	1	....	....	....	2	11
Croup	4	4	2	1	3	3	2	....	2	7	9	7	44
Cyanosis.....	2	3	4	4	1	3	6	2	1	5	....	5	36
Calculus	....	1	....	....	2	2	....	....	....	....	....	....	5
Carbuncle	....	2	....	1	....	....	....	2	1	1	....	1	8
Catarrh.....	....	....	....	2	1	....	1	....	....	....	....	....	4
Circumcision	....	....	....	1	....	....	....	....	....	....	....	....	1
Cellulitis	....	....	....	....	...	1	....	2	....	....	1	....	4
Concussion of Spine	....	...	....	....	....	....	1	....	....	....	....	....	1
Caries of Spine.....	....	....	....	....	....	...	1	....	....	....	....	....	1
Concussion of Brain.....	....	....	....	....	....	....	....	1	1	....	....	2	4
Compression of Brain....	....	....	....	....	....	....	....	....	....	....	1	....	1
Colic, Biliary.....	...	....	....	....	....	....	....	....	1	...	....	....	1
Cancer, Diffused.....	....	....	....	3	2	....	2	1	2	....	1	1	12
" of Ear.....	1	....	....	....	....	....	....	..	....	....	....	....	1
" of Breast.....	2	2	3	2	3	4	5	5	5	....	4	1	36
" of Bladder.....	1	....	1	....	....	....	1	....	....	1	....	....	4
" of Liver..... ..	1	....	3	2	3	1	2	2	2	4	3	....	23
" of Bowels.....	2	1	1	....	1	....	1	....	....	....	....	....	6

TABLE No. 12—Continued.

Causes of Death.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November.	December.	Totals.
Cancer of Ovaries	1	....	....	1	....	....	....	....	....	....	....	1	3
" of Rectum	2	2	....	....	1	3	....	....	2	1	....	....	11
" of Pelvis	1	....	....	....	....	....	1	....	1	....	....	....	3
" of Uterus	7	3	7	5	9	2	7	3	11	8	2	2	66
" of Jaw	1	....	....	....	....	....	....	....	2	....	....	1	4
" of Stomach	6	....	3	4	4	4	4	7	5	2	8	2	49
" of Tongue	1	....	....	1	....	....	....	....	....	....	....	1	3
" of Throat	1	....	....	....	....	....	....	....	....	....	....	....	1
" of Antrum	....	1	....	....	....	....	....	....	....	....	....	....	1
" of Prostate Gland	....	1	....	....	....	....	....	....	....	....	....	....	1
" of Face	....	1	....	....	1	3	....	1	2	....	1	....	9
" of Messentery	....	1	....	....	....	...	....	....	....	....	....	....	1
" of Arm	....	....	1	....	....	....	....	....	....	....	....	....	1
" of Larynx	....	....	1	1	....	....	....	....	....	....	2	....	4
" of Axilla	....	....	....	1	1	....	....	1	....	....	....	....	3
" of Neck	....	....	....	1	....	....	2	1	1	....	2	1	8
" of Pancreas	....	....	....	1	....	....	....	....	1	....	....	1	3

Cancer of Vagine	....	....	....	1	....	....	....	....	....	....	....	....	1
" of Ventricular	....	....	....	....	1	....	....	....	....	2	....	....	3
" of Lungs	....	....	....	....	1	....	....	....	....	....	....	....	1
" of Œsophagus	....	....	....	....	1	....	....	....	....	....	....	....	1
" of Kidneys	....	....	....	....	....	....	....	....	1	....	....	. .	1
" of Scalp	....	....	....	....	....	....	....	....	1	....	....	....	1
" of Duodenum	....	....	....	....	....	....	....	....	....	1	....	....	1
" of Maxillary	....	....	....	....	....	....	....	....	....	1	....	....	1
" of Cervix	....	....	....	....	....	....	....	....	....	1	....	....	1
" of Pylorus	....	....	....	....	....	....	....	....	....	....	1	....	1
" of Pleura	....	....	....	....	....	....	....	....	....	....	1	....	1
" of Omentum	....	....	....	....	....	....	....	....	....	....	....	1	1
Dentition	7	6	7	7	10	15	10	10	12	11	5	2	102
Delirium Tremens	1	1	1	....	....	2	1	....	....	....	....	....	6
Diabetes	1	4	2	1	3	1	1	3	1	3	1	5	26
Diarrhœa	1	4	1	3	4	7	26	18	10	21	3	5	103
Diphtheria	26	27	21	13	25	21	12	18	33	42	63	49	350
Disease of the Heart	37	37	39	48	43	26	32	20	28	48	43	53	454
" of Spine	....	....	....	2	3	....	....	....	....	1	....	....	6
Drowned	....	....	2	6	2	10	8	14	4	1	2	2	51
Dropsy, General	6	1	1	5	6	6	3	4	1	1	2	2	38
" Cardiac	....	....	4	....	....	....	1	....	....	1	1	....	7
" Ovarian	....	....	....	....	....	....	....	....	....	....	1	....	1
Dysentery	3	4	4	....	6	11	37	30	11	7	2	3	118
Debility	....	4	2	1	....	2	....	....	2	2	....	1	14

TABLE No. 12—Continued.

Causes of Death.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November.	December.	Totals.
Distocia	....	1	...	....	....	....	....	....	....	....	....	....	1
Dyspepsia	....	2	....	1	....	....	....	....	....	1	....	....	4
Epilepsy	2	1	1	1	2	2	3	....	3	1	....	1	17
Endocarditis	2	....	3	2	3	1	3	4	1	1	1	2	23
Erysipelas	2	1	1	1	3	....	2	....	3	....	1	1	15
Enterocotitis	3	....	1	1	4	13	32	21	12	14	2	1	104
Exposure	1	....	....	....	....	....	....	....	....	....	....	....	1
Embolism.	1	....	3	....	1	....	....	....	....	....	....	....	5
Eczema	....	....	1	....	1	....	....	1	....	1	....	....	4
Extra Uterine Pregnancy	....	....	1	....	....	....	....	....	....	....	....	....	1
Execution	....	....	....	....	....	1	....	....	....	....	....	....	1
Enuresis	....	....	....	....	....	....	1	....	....	....	....	....	1
Electric Shock	....	....	....	....	....	....	....	....	1	....	....	....	1
Fever, Intermittent	1	....	....	....	....	1	....	1	1	1	....	....	5
" Malarial	3	2	3	1	1	....	1	3	6	2	3	1	26
" Scarlet	4	1	4	8	3	9	8	6	11	15	20	39	128
" Typhoid	15	8	3	5	9	6	9	14	22	29	17	13	150

Fever, Typho-Malarial....	3	1	1	4	1	2	3	9	5	2	8	....	39
" Puerperal.....	....	2	....	....	....	1	....	1	....	....	1	2	7
" Remittent.....	....	1	1	1	1	2	2	3	4	2	2	2	21
" Cerebro Spinal	....	4	2	1	....	2	2	2	1	1	2	1	18
" Catarrhal.....	....	....	....	....	....	....	....	....	....	....	....	1	1
Fracture of Skull.....	1	....	....	....	....	2	1	1	1	3	....	1	10
" of Femur.....	....	....	1	1	2	....	....	....	1	....	....	1	6
" of Vertebræ	....	....	....	....	....	....	1	....	....	....	1	....	2
Gangrene, Senile.....	1	1	1	2	2	....	....	....	1	....	...	....	8
" of Leg	....	....	....	1	....	....	....	....	....	....	....	....	1
Gastro Enteritis	4	8	11	6	5	9	29	27	18	7	3	8	135
Gall Stones.....	1	....	....	....	....	....	....	....	....	1	....	....	2
Gastralgia	....	....	....	1	....	....	....	....	....	....	....	....	1
Gout.....	....	....	....	....	....	....	....	....	....	1	....	....	1
Hernia.....	....	...	....	....	1	1	....	....	1	1	1	4	9
" Strangulated	3	1	1	1	2	1	1	1	1	1	4	....	17
Hemorrhage of Brain....	2	5	8	5	3	2	6	....	2	4	3	11	51
" of Bowels...	....	1	....	....	....	....	....	....	1	....	....	....	2
" of Navel....	1	....	1	2	....	2	2	1	....	1	....	....	10
" of Lungs ...	1	2	1	....	1	3	4	3	1	1	1	2	20
" of Stomach .	....	....	1	....	....	1	....	....	....	....	....	....	2
" of Uterus...	....	....	....	....	1	....	....	....	1	1	....	1	4
" Post Partem	...	1	...	....	....	....	....	....	....	....	....	....	1
Hydrocephalus	....	1	1	2	1	2	1	4	2	2	2	2	20
Hæmatemesis	....	....	....	1	....	....	....	....	....	....	....	....	1

TABLE No. 12—Continued.

Causes of Death.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November.	December.	Totals.
Herpes	....	....	....	1	....	....	....	....	....	....	....	....	1
Hodgskin's Disease	....	....	....	1	....	....	....	....	....	....	....	....	1
Hæmoptysis	....	....	....	....	....	....	1	....	1	1	....	....	3
Inanition	10	8	8	14	15	13	17	24	26	26	15	16	192
Inflammation of Brain	....	....	2	5	2	6	3	3	1	3	7	9	41
" of Bladder	2	....	5	1	1	....	3	....	....	1	2	5	20
" of Bowels	3	8	1	2	4	5	12	16	9	5	4	1	70
" of Stomach	4	9	9	14	6	8	16	13	11	13	14	5	122
" of Bronchi	31	25	25	40	28	15	6	14	8	21	24	50	287
" of Kidneys	12	11	7	13	12	10	8	12	8	10	12	16	131
" of Larynx	2	....	1	1	1	1	....	....	....	1	3	1	11
" of Liver	1	....	5	1	....	1	4	....	5	....	1	2	20
" of Peritoneum	5	2	5	2	6	4	11	4	6	8	4	5	62
" of Pleura	1	3	2	....	....	2	1	2	1	4	1	2	19
" Pericardium	....	1	1	4	1	1	....	2	1	2	2	2	17
" of Tonsils	....	....	1	2	....	....	1	1	....	....	2	1	8
Influenza	2	1	4	31	73	23	....	....	....	1	....	109	244

Intemperance	3	3	2	5	3	2	8	....	2	2	6	1	37
Indigestion	....	1	1	....	....	1	1	1	....	1	....	....	6
Intussusception	....	....	2	2	....	....	....	1	....	....	2	1	8
Insanity	....	....	....	1	....	1	2	2	....	....	1	1	8
Insolation	....	....	....	...	....	4	....	....	....	....	....	....	4
Iscuria	....	....	....	....	....	....	....	....	....	2	....	1	3
Jaundice	2	3	3	2	2	....	1	....	1	1	3	1	19
Laparotomy	1	1	1	....	1	2	....	....	1	2	....	1	10
Lencocythæmia	....	3	....	....	1	....	....	....	1	2	....	....	7
Malformation	1	....	2	....	1	....	....	....	2	1	1	....	8
Malnutrition	4	....	....	....	....	....	....	....	....	1	....	....	5
Marasmus	14	24	12	19	22	15	46	40	46	42	22	22	324
Measles	5	....	2	....	2	....	1	....	....	....	3	3	16
Meningitis	6	15	18	13	12	22	15	13	13	17	16	11	171
" Tubercular	4	9	6	6	4	4	7	2	2	5	4	3	56
Murder	1	....	....	1	....	....	1	....	....	1	....	...	4
Menopause	....	1	....	....	....	....	....	....	....	....	....	....	1
Metro Peritonitis	....	1	....	....	....	....	....	....	....	....	....	....	1
Myelitis	....	....	....	....	....	....	2	1	1	....	....	....	4
Mumps	....	....	....	....	....	....	....	....	....	1	....	....	1
Malaria	....	....	....	....	....	....	....	....	....	1	....	....	1
Multiple Neuritis	....	....	....	....	....	....	....	....	....	....	1	....	1
Neurasthemia	1	1	....	1	....	2	1	1	....	....	....	....	7
Noma	....	....	1	....	....	....	....	....	....	....	....	....	1
Necrosis	....	....	1	....	....	....	....	....	....	....	....	....	1

TABLE No. 12—Continued.

Causes of Death.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November.	December.	Totals.
Neuritis	....	....	....	....	....	....	1	1	....	....	....	....	2
Old Age	41	31	32	46	44	28	28	45	31	32	27	46	431
Ovariotomy	....	1	....	....	1	....	....	....	....	....	....	....	2
Ostitis	....	....	....	....	....	1	....	.. .	....	....	....	....	1
Osteo Myetitis	....	....	....	....	....	....	....	1	....	....	....	....	1
Oedema of Lungs	....	....	....	....	....	....	1	....	....	....	....	....	1
" Brain	....	....		....	....	....	....	....	1	....	....	....	1
Paralysis	25	19	23	24	24	19	17	20	10	21	10	27	239
Pneumonia	112	73	83	128	115	37	21	16	29	48	89	162	913
" Broncho	3	2	2	1	5	4	1	....	3	2	4	3	30
" Typhoid	2	1	....	2	2	....	....	....	1	1	3	2	14
" Pleuro	2	2	1	4	1	4	2	....	....	....	1	3	20
Premature Birth	13	10	23	18	28	17	22	17	20	20	17	20	225
Poison	1	....	....	....	....	1	1	1	....	....	1	....	5
Puerperal Metritis	1	....	....	....	....	....	....	....	....	....	....	....	1
" Septicæmia	3	2	1	5	....	3	4	1	1	....	2	1	23
" Mania	1	....	....	....	....	....	....	....	....	....	....	....	1

Puerperal Peritonitis	....	1	2	4	3	3	1	2	2	....	1	1	20
Prolonged Labor	2	1	3	2	2	....	4	2	....	....	1	....	17
Progressive Locomotor Ataxia	....	1	2	....	1	....	1	1	1	1	1	2	11
Pyæmia	....	1	....	....	1	1	1	....	3	....	1	1	9
Purpura	....	....	1	....	1	....	1	....	....	....	....	....	3
Pelvic Cellulitis	....	....	1	....	....	....	....	....	....	....	....	....	1
Phlebitis	....	....	....	1	....	....	1	....	....	....	....	....	2
Pyelitis	....	....	....	1	....	....	....	....	....	....	....	....	1
Phlegmetic Dolens	....	....	....	....	1	....	....	....	....	....	....	....	1
Phrenitis	....	....	....	....	1	....	....	....	....	....	....	....	1
Perityphlitis	....	....	....	....	....	1	1	....	1	....	....	....	3
Pott's Disease	...	....	....	....	....	....	....	....	....	1	....	....	1
Placenti Prævia	....	....	....	....	....	....	....	....	....	1	....	....	1
Rheumatism	....	3	1	3	1	2	5	....	4	1	2	2	24
" Inflammatory	3	1	....	1	2	1	2	....	....	1	....	....	11
Stricture of Oesophagus	....	....	....	....	....	....	....	....	....	....	....	1	1
Synovitis	1	....	....	....	....	....	....	....	....	....	....	....	1
Scalds	3	1	2	...	....	1	....	....	....	1	1	....	9
Suicide	4	....	2	6	1	3	2	6	2	6	1	6	39
Syphilis	1	3	4	....	4	2	2	1	3	3	1	2	26
Septicæmia	....	3	....	....	2	1	....	1	....	3	1	1	12
Surgical Kidney	....	1	....	....	....	....	....	....	....	....	....	....	1
Spinal Sclerosis	....	....	1	1	....	....	....	....	....	....	....	....	2
Suffocation by Smoke	....	....	3	....	....	....	....	....	....	....	1	....	4

TABLE No. 12—Continued.

Causes of Death.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November.	December.	Totals.
Suffocation in Sink	....	....	....	....	....	....	....	1	....	....	....	....	1
" by Peach Stone	....	....	....	....	....	....	....	....	1	....	....	....	1
" by Illuminating Gas	2	....	....	1	....	....	....	....	....	1	1	2	7
Sclerosis of Brain	....	....	....	....	1	....	....	....	....	....	....	....	1
Spina, Bifida	....	....	....	....	1	....	....	....	....	....	....	....	1
Stomatitis	....	....	....	....	....	1	....	1	....	....	....	....	2
Sun Stroke	....	....	....	....	....	1	....	....	....	....	....	....	1
Scrofula	2	....	....	1	....	1	2	2	2	5	....	2	17
Softening of Brain	1	5	2	4	2	5	2	2	1	3	....	1	28
Stricture of Bowels	3	2	....	....	3	1	2	1	2	1	2	4	21
Trismus Nascentium	4	....	1	2	2	2	2	5	4	8	5	2	37
Tumor Ovarian	1	....	....	....	....	....	1	....	....	2	1	....	5
" Cerebral	1	....	....	....	2	1	1	2	1	2	1	....	11
" Abdominal	1	....	3	1	....	....	....	3	1	....	....	1	10
" of Kidneys	....	....	....	....	....	....	....	....	....	....	1	....	1
Tabes Mesenterica	....	....	1	1	1	....	....	2	....	....	....	1	6

Tetanus	....	....	1	....	1	....	1	....	....	....	1	2	6
Typhlitis	....	....	1	....	1	....	....	....	....	1	....	....	3
Uræmia	4	3	....	4	1	1	5	1	....	1	2	1	23
Unknown, Adults	2	....	1	....	1	....	2	2	1	1	....	1	11
" Infants	....	1	3	1	....	....	1	4	2	2	2	3	19
Ulcer of Bowels	....	....	1	....	1	....	2	....	....	1	....	....	5
" Stomach	....	....	1	2	....	.. .	2	....	....	....	....	....	5
" Rectum	....	....	....	....	....	1	....	....	....	....	....	....	1
Varicella	....	1	....	....	....	1	....	1	....	....	....	....	3
Vomiting of Pregnancy	....	....	....	....	....	....	....	....	1	....	....	....	1
Whooping Cough	15	12	10	8	14	8	8	10	8	3	4	3	103
Wounds by Cars	6	1	6	5	3	5	6	4	4	8	...	5	53
" Crushed	3	....	3	1	2	....	3	1	....	3	1	1	18
" Fall	8	4	1	6	7	5	1	4	3	7	2	3	51
" Gunshot	....	....	....	....	1	....	1	1	1	....	1	....	5
" Splinter	....	..	....	....	....	....	....	1	....	....	....	....	1
Grand total	780	702	729	850	892	725	1096	857	760	828	776	1078	10,073

TABLE No. 12—Continued.

1891—Ages.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November.	December.	Totals.
Under 1 year.....	156	162	151	164	193	219	488	290	229	224	158	198	2,632
Between 1 and 2 years,...	47	54	42	46	57	55	71	81	65	78	61	75	732
Between 2 and 5 years....	45	34	48	33	46	45	36	32	40	50	70	67	546
Total under 5 years....	248	250	241	243	296	319	595	403	334	352	289	340	3,910
Between 5 and 10 years..	25	21	25	24	31	35	29	35	33	38	54	51	401
" 10 " 15 " ..	15	10	13	10	11	9	18	16	12	8	12	22	156
" 15 " 20 " ..	24	17	21	28	30	19	28	24	18	17	33	30	289
" 20 " 30 " ..	63	68	48	82	53	52	71	60	61	75	57	56	746
" 30 " 40 " ..	70	61	68	61	68	45	69	47	42	66	65	84	746
" 40 " 50 " ..	75	64	63	81	74	46	63	56	58	59	54	96	789
" 50 " 60 " ..	72	61	66	90	69	41	64	60	68	82	65	91	829
" 60 " 70 " ..	78	62	76	99	92	66	75	61	63	58	78	120	928
" 70 " 80 " ..	64	54	73	86	102	60	47	64	51	47	41	117	806
" 80 " 90 " ..	34	29	28	37	59	30	32	27	16	25	22	63	402
" 90 "100 " ..	11	3	7	9	7	3	5	4	4	....	6	8	67
" 100 "110 " .	1	2	....	....	....	....	....	....	....	1	....	....	4
Totals	780	702	729	850	892	725	1096	857	760	828	776	1078	10,073

NATIVITY.													
U. S.—White Males.....	253	229	211	240	250	247	354	241	239	266	255	313	3,098
" " Females...	217	188	195	213	247	217	339	252	217	227	233	325	2,870
Foreign—White Males...	63	65	81	115	88	58	74	77	74	82	64	116	957
" " Females.	73	51	68	80	114	56	68	80	70	69	72	112	913
Colored—Males.....	84	78	73	88	98	86	126	107	67	86	78	94	1,065
" Females	90	91	101	114	95	61	135	100	93	98	74	118	1,170
Totals	780	702	729	850	892	725	1096	857	760	828	776	1078	10,073
Still-births.....	75	64	48	71	72	76	77	63	58	83	54	70	811
Marriages.....	363	327	306	398	332	441	313	324	414	476	495	381	4,570
Births (Reported).....	819	788	782	641	662	676	829	774	880	782	841	865	9,339

Population estimated by Police Census, White, 384,394; Colored, 71,033; Total, 455,427. Total mortality during the year, 10,073; United States, White, 5,968; Foreign, 1,870; Colored, 2,235; Total, 10,073. Annual Death Rate per 1,000, whole population, 22.14; White, 20.41; Colored, 31.48. Total Births (reported), 9,339; Birth Rate per 1,000 population, 20.52; White, 21.53; Colored, 15.50. Total Marriages, 4,570; Marriage Rate per 1,000 population, 10.00. Total Still Births, 811.

TABLE No. 12—Continued.

Total Number of Deaths Monthly in each Ward.

Wards.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Totals.
First	35	39	35	41	42	37	54	45	49	46	47	46	516
Second	30	23	22	33	45	30	47	57	37	48	48	59	479
Third	32	22	32	36	28	23	31	33	32	34	23	37	363
Fourth	20	31	26	32	40	26	38	26	23	39	34	40	375
Fifth	29	24	25	36	39	41	43	33	27	30	35	32	394
Sixth	42	48	55	56	60	43	87	70	64	65	63	64	717
Seventh	31	38	37	36	54	47	68	64	42	59	47	52	575
Eighth	35	33	36	29	46	38	49	49	38	29	31	57	470
Ninth	54	34	35	46	50	38	54	32	43	41	36	72	535
Tenth	21	26	28	21	36	15	37	29	24	24	24	50	335
Eleventh	53	38	48	46	45	32	42	31	42	31	25	48	481
Twelfth	50	49	51	60	63	41	60	48	45	41	49	72	629
Thirteenth	29	37	24	37	41	32	24	29	16	23	28	44	364
Fourteenth	32	14	27	38	41	23	45	28	30	35	23	37	373
Fifteenth	28	16	30	42	19	24	39	26	24	22	33	25	328
Sixteenth	29	19	28	36	23	24	35	26	18	21	25	35	319

Seventeenth	48	55	41	46	49	48	71	46	38	52	48	46	588
Eighteenth	41	29	38	57	36	49	63	52	35	59	39	64	562
Nineteenth	46	41	33	36	40	41	57	38	33	40	41	62	508
Twentieth	32	35	52	38	43	24	65	42	30	36	31	53	461
Twenty-First	26	17	24	23	22	20	31	20	24	15	21	27	270
Twenty-Second	37	34	22	25	30	29	56	33	46	38	25	56	431
Totals	780	702	729	850	892	725	1096	857	760	828	776	1078	10073

TABLE No. 12—Concluded.

The Number of Births Monthly.

Births.	January.	February.	March.	April.	May.	June.	July.	August	September	October.	November.	December.	Totals.
White Males	361	339	336	311	317	310	358	352	409	361	403	413	4,270
White Females	355	352	351	259	274	285	350	340	362	330	360	350	3,968
Total	716	691	687	570	591	595	708	692	771	691	763	763	8,238
Colored Males	57	45	47	29	36	44	68	53	59	44	33	56	571
Colored Females	46	52	48	42	35	37	53	29	50	47	45	46	530
Total	103	97	95	71	71	81	121	82	109	91	78	102	1,101
Illegitimate White	16	23	17	6	10	12	30	10	27	20	37	16	224
Illegitimate Colored	21	22	20	6	13	23	28	8	42	15	18	30	246
Total Illegitimate	37	45	37	12	23	35	58	18	69	35	55	46	470

Sixty-Third Annual Report

— OF THE —

Board of Commissioners

— OF —

PUBLIC SCHOOLS,

— TO THE —

MAYOR AND CITY COUNCIL OF BALTIMORE,

— FOR THE —

YEAR ENDING DECEMBER 31st, 1891.

BOARD OF COMMISSIONERS OF PUBLIC SCHOOLS

FOR 1891.

OFFICERS:

PRESIDENT	JOHN T. MORRIS.
SECRETARY	HENRY M. COWLES.
SUPERINTENDENT OF PUBLIC INSTRUCTION	HENRY A. WISE.
ASSISTANT SUPERINTENDENT OF INSTRUCTION	JOHN E. McCAHAN.
ASSISTANT SECRETARY	ALBERT MARSHALL.
SUPERINTENDENT OF SUPPLIES	CHRISTIAN W. KEIDEL.
LIBRARIAN	FRANCIS J. RUTH.

MEMBERS OF THE BOARD:

HON. ROBERT C. DAVIDSON, MAYOR.
" FERDINAND C. LATROBE, "

WARD.		TERM EXPIRES.
1.	JOHN F. LANGHAMMER	1893
2.	SIMON L. FELBER	1895
3.	JOHN B. WENTZ	1892
4.	EDWARD A. BURKE	1894
5.	WM. H. B. FUSSELBAUGH, OF J.	1893
6.	JACOB S. BARNES	1892
7.	FRANK H. KAMPE	1894
8.	JOHN T. FOLEY	1895
9.	MICHAEL SHEEHAN	1895
10.	JOHN T. MORRIS	1894
11.	*OTWAY B. ZANTZINGER	1892
12.	THOMAS P. BALDWIN	1893
13.	CHARLES J. WIENER	1895
14.	JAMES BOSLEY, M. D.	1892
15.	NELSON BAKER	1893
16.	†HENRY C. THORBURN	1894
17.	JOHN E. DURDING	1892
18.	JOHN J. FENTON	1894
19.	HENRY ALLNUTT	1895
20.	JAMES L. MURRILL	1893
21.	ALCAEUS HOOPER	1893
22.	A. WARFIELD MONROE	1893

*Resigned October 13th. On the same date the Board elected Wm. W. Dix to represent the 11th Ward, and on November 18th, the City Council confirmed said election.

†Resigned April 28th. On May 4th, the City Council elected John R. Biemiller to represent the 16th Ward.

STANDING COMMITTEES.

Messrs. Dix and Biemiller succeeded Messrs. Zantzinger and Thorburn as members of the respective committees.

1. Baltimore City College.
Messrs. Foley, Bosley, Baldwin, Baker, President and Superintendent.

2. Female High Schools.
Messrs. Wentz, Wiener, Barnes, Monroe, Fusselbaugh, Murrill, President and Superintendent.

3. Grammar Schools.
Messrs. Fusselbaugh, Hooper, Allnutt, Sheehan and Barnes.

4. Primary Schools.
Messrs. Langhammer, Kampe, Zantzinger, Burke, Foley and Assistant Superintendent.

5. English-German Schools.
Messrs. Felber, Wentz, Durding, Wiener and Langhammer.

6. Manual Training School.
Messrs. Wentz, Felber, Sheehan, Zantzinger, Murrill, President and the Mayor.

7. Colored Schools.
Messrs. Zantzinger, Baldwin, Thorburn, Langhammer, Fenton and Superintendent.

8. Normal School.
Messrs. Allnutt, Murrill, Wiener and Superintendent.

9. Text Books.
Messrs. Monroe, Wentz, Bosley, Wiener, Baldwin, President, Superintendent and Assistant Superintendent.

10. Furniture.
Messrs. Baldwin, Durding, Allnutt, Kampe and Thorburn.

11. Music.
Messrs. Wentz, Thorburn, Foley, Baker and Felber.

12. Discipline.

Messrs. Durding, Zantzinger, Baker, Fusselbaugh, Felber, President, Superintendent and Assistant Superintendent.

13. Accounts.

Messrs. Hooper, Wiener, Burke, Fusselbaugh and Barnes.

14. Expenditures.

Messrs. Burke, Baker, Hooper, Bosley, Barnes and President.

15. Examinations.

Messrs. Fenton, Hooper, Zantzinger, President, Superintendent and Assistant Superintendent.

16. Bi-Weekly Reports.

Messrs. Kampe, Burke and Sheehan.

17. Conference.

Messrs. Wiener, Langhammer, Felber, Durding and Thorburn.

18. Buildings.

Messrs. Baker, Bosley, Fenton, Sheehan, Durding, President, Superintendent and Assistant Superintendent.

19. Printing.

Messrs. Foley, Thorburn and Kampe.

20. Health.

Messrs. Bosley, Fusselbaugh and Murrill.

21. Drawing.

Messrs. Sheehan, Allnutt, Murrill, Fenton and Langhammer.

22. Intestates' Estates.

Messrs. Thorburn, Wentz and Wiener.

23. Heating Apparatus and Fuel.

Messrs. Barnes, Fenton, Burke, Allnutt, Kampe and President.

24. Rules.

Messrs. Monroe, Wentz and Hooper.

25. Public School Library.

Messrs. Wentz, Allnutt, Foley, Monroe and President.

26. Non-Resident Pupils.

Messrs. Murrill, Hooper and President.

REPORT

OF THE

Board of Commissioners of Public Schools

OF BALTIMORE.

OFFICE OF COMMISSIONERS OF PUBLIC SCHOOLS,

January 1st, 1892.

The Honorable the Mayor and
City Council of Baltimore:

In compliance with the ordinance of the City, the Board of Commissioners of Public Schools respectfully presents its Sixty-Third Annual Report, showing its transactions during the past year, with a full statement of receipts and expenditures, and other information with reference to the work, condition and wants of the schools.

The accompanying reports of the Superintendents of Instruction, and of the Superintendent of Supplies, contain valuable information with reference to the work of the schools, and some important suggestions for their future advancement, which are entitled to your consideration.

It is true that a year is but a short period in the history of our school system, which is the growth of more than half a century, and yet it may be possible, even in that short time, to effect such good results as will satisfactorily show the progress and success of those principles which underlie all systems of free public instruction.

The public wishes to know whether our schools are as good or better than they were during the previous year, and for that purpose it examines their work to ascertain the results.

If the examination shows that the number of teachers and pupils has largely increased, and that there is evidence of moral and intellectual progress, then it may fairly be presumed that the system and its management are satisfactory and successful.

Applying these principles to the work and condition of our schools during the past year, we find much that is encouraging for the present, and hopeful for the future.

Whilst they have accomplished so much in the past, it is not pretended that they have done all of which they are capable. Although they are generally performing the work for which they were established, yet there is much which may be done to improve their management and promote their advancement. They require public confidence, and must be sustained by

the sympathy and co-operation of our community, and we invoke the advice and practical aid of all good citizens in their behalf.

SCHOOL STATISTICS.

The whole number of schools of various grades was 148, classified as follows:

BALTIMORE CITY COLLEGE.

Number of schools	1
Number of teachers	15
Number of pupils on roll December 31, 1891	451
Average number on roll during the year	403
Average attendance	377
Whole number in school during the year	657
Percentage of attendance	93

FEMALE HIGH SCHOOLS.

Number of schools	2
Number of male teachers	3
Number of female teachers	20
Number of pupils on roll December 31, 1891	872
Average number on roll during the year	818
Average attendance	764
Whole number in school during the year	1,223
Percentage of attendance	93

MANUAL TRAINING SCHOOL.

Number of schools	1
Number of teachers	15
Number of pupils on roll December 31, 1891	370

Average number on roll during the year	375
Average attendance	339
Whole number in school during the year	663
Percentage of attendance	90

GRAMMAR SCHOOLS.

Number of schools	40
Number of male teachers	35
Number of female teachers	287
Number of pupils on roll December 31, 1891	12,558
Average number on roll during the year	12,166
Average attendance	10,719
Whole number in school during the year	17,834
Percentage of attendance	88

PRIMARY SCHOOLS.

Number of schools	63
Number of female teachers	485
Number of pupils on roll December 31, 1891	20,204
Average number on roll during the year	19,513
Average attendance	16,453
Whole number in schools during the year	29,265
Percentage of attendance	84

ENGLISH-GERMAN SCHOOLS.

Number of schools	5
Number of male teachers	17
Number of female teachers	110
Number of pupils on roll December 31, 1891	5,286

Average number on roll during the year	5,082
Average attendance	4,606
Whole number in schools during the year	6,844
Percentage of attendance	90

ANNEX SCHOOLS.

Number of schools	18
Number of male teachers	12
Number of female teachers	123
Number of pupils on roll December 31, 1891	5,723
Average number on roll during the year	5,310
Average attendance	4,343
Whole number in schools during the year	7,770
Percentage of attendance	81

COLORED SCHOOLS.

Number of schools	18
Number of male teachers	19
Number of female teachers	149
Number of pupils on roll December 31, 1891	7,079
Average number on roll during the year	6,648
Average attendance	5,297
Whole number in schools during the year	9,987
Percentage of attendance	80

It will be seen from these statistics that the number of pupils on roll at the end of the year was 52,543, under the charge of 1,301 teachers; and, the average attendance was 42,898, whilst the whole number of pupils who attended during the year, excluding duplicate enrollments, was 66,836.

The increase in the number of schools was 1; number of teachers, 57; number of enrolled pupils, 1,644; average attendance, 1,295; and in the whole number in the schools during the year, 1,078.

The percentage of attendance in all the schools was 86, ranging from 93 in the City College and Female High Schools, being the highest, to 80 in the Colored Schools, the lowest.

In addition to the above day schools, there was one Evening School under the charge of six teachers, with 266 pupils. There was no appropriation for the salaries and other current expenses of Evening Schools, and the Board, therefore, did not open the usual number of these schools. There seemed, however, to be a growing demand for Evening Schools, and a committee was appointed to consider the subject, and it is probable that several more will be opened during this year. They are intended exclusively for those persons who are unable to attend the day schools by reason of their employment, and it is certainly desirable that this large class of persons should have an opportunity of obtaining an education in the public schools.

The number of pupils to a teacher on enrollment in Baltimore City College and Female High Schools, was 35; in Grammar Schools, 40; in Primary Schools, 42; in Manual Training School, 25; in English-German Schools, 41; in Colored Schools, 41; in Annex Schools, 46.

The number of non-resident pupils was 156, being nine more than during the previous year; and the amount received from them for tuition and books, was $3,395.85, as follows:

Baltimore City College	21	$904 00
Female High Schools	5	182 00
Manual Training School	18	649 25
Male Grammar Schools	38	656 85
Female Grammar Schools	42	647 25
English-German Schools	2	40 00
Male Primary Schools	6	74 75
Female Primary Schools	9	54 75
Annex Schools	15	187 00

The average annual salary of the teachers was $579, and the per capita cost of the pupils of all the schools was $18.20; and in the several grades, based on enrollment and for current expenses, was as follows: Baltimore City College, $92; Manual Training School, $67.50; Female High Schools, $36; Male Grammar Schools, $22.32; Female Grammer Schools, $18.80; English-German Schools, $16.20; Male Primary Schools, $14.52; Female Primary Schools, $14.37; Annex Schools, $16.75; High and Grammar Colored Schools, $19.78; Primary Colored Schools, $13.80.

The ages of all the children in the schools are as follows:

Between 5 and 6 years, 901; 6 and 7, 4,625; 7 and 8, 6,143; 8 and 9, 6,604; 9 and 10, 6,437; 10 and 11, 6,815;

11 and 12, 5,892; 12 and 13, 5,192; 13 and 14, 4,297; 14 and 15, 2,804; 15 and 16, 1,629; 16 and 17, 835; 17 and 18, 447; 18 and 19, 151; 19 and 20, 57; 20 and 21, 12.

By the rules of the Board, children over six years of age may be admitted at any time to any of the grades except that for beginners; but admission of beginners can be made only during the month of September, at which time those who are six years of age, or will be six years of age before the first day of March following, may be admitted.

This exception to the general rule accounts for the number of children in the schools between five and six years of age.

It was deemed proper to adopt this rule with reference to the admission of beginners so as to avoid the interruption which necessarily resulted from their admission at any time during the term. The rule may sometimes be inconvenient, but it has resulted in the general benefit of the primary department.

FINANCIAL.

The accompanying report of the Committee on Accounts shows the receipts and disbursements during the past year.

The Board submitted its annual estimate of current expenses for the year, amounting to $958,000, of which the sum of $96,000 was for the Annex Schools.

The appropriation made was $932,000, being $26,000 less than the estimate. At the meeting of the Board in September, it was announced that it would not be possible to defray the current expenses for the remainder of the year, unless an additional appropriation was made; and accordingly, at the suggestion of Mayor Davidson, an appropriation of $26,000 was made, being the amount of the reduction.

The total amount of the appropriations was therefore $958,000, of which $957,820.14 were expended, leaving an unexpended balance of $179.86.

It is respectfully submitted that this statement shows the accuracy of the original estimate, and justified the Board in asking for the full amount.

It has always been the uniform rule of this department to ask for such appropriation as is actually needed, and not to make an over-estimate with the expectation of a large reduction, and we therefore request that the full amount of future estimates may be appropriated.

RECEIPTS.

The receipts for current expenses of the schools for the year were as follows:

City Collector, taxes	$644,072 64
State Treasurer, taxes	185,154 98
Non-resident pupils, for tuition and use of books	3,395 85
John F. Plummer, interest on legacy	114 50
	$832,737 97

The amount received from the City Collector was $12,052.43 less, and from the State Treasurer $2,535.74 more than during the previous year.

The amount received from the City Collector is an account of the taxes levied in the City for the support of the public schools, and the amount received from the State Treasurer is the City's proportion of the general tax levied throughout the State for the use of the schools, being at the rate of 10½ cents on every $100 of taxable property, and which is distributed between the City and counties, in proportion to their school population between the ages of five and twenty years.

The amount annually paid by the City as its share of this school tax, is largely in excess of the amount received; the excess paid last year being $90,207.84, as appears from the report of the Treasurer.

The amount paid by the City to the State was	$275,362 82
The amount received by the City was	185,154 98
Excess paid by the City for the support of the schools in the counties	90,207 84

During the past seven years, from 1885 to 1891, inclusive, the City has paid $834,028 more than it received as its proportion of this school tax, and during several years prior to 1885, the excess annually paid by the City was over $100,000.

The amount paid last year was $51,800 less than in 1890, and this inequality was not therefore so great as during previous years. It is probable that the recent U. S. census will show a large increase in the population of school age in Baltimore, and future distributions on this basis will reduce the excess.

EXPENDITURES

The total amount paid by the Board for current expenses of all the schools was $957,820.14, and by the Inspector of Buildings for new houses and repairs of old buildings, was $110,881.01.

The items of expenditures by the Board were as follows:

Salaries of officers and teachers	$775,455 96
Rents and ground rents	37,441 82
Books and stationery	53,636 19
Heating apparatus and repairs	9,976 14
Furniture	24,009 36
Fuel	27,540 32
Repairs and cleaning	10,636 78
Printing, supplies and incidentals	19,124 77
	$957,820 14

Of this amount the expenditures on account of white schools were $851,881.30, and on account of colored schools, $105,938.84.

The amount appropriated for Annex Schools was $96,000, of which $95,902.07 were expended as follows:

Salaries of teachers	$76,314 40
Rents and ground rents	2,450 50
Books and stationery	5,192 54
Heating apparatus and repairs	1,125 46
Furniture	6,171 35
Fuel	3,075 11
Repairs and cleaning	786 43
Incidentals	786 28
	$95,902 07

The expenditures by the Inspector of Buildings were as follows, on account of new buildings and repairs of old houses:

Grammar and Primary Schools No. 19	$19,711 76
Primary School No. 25	13,637 51
Annex School No. 11	9,279 08
Annex School No. 13	11,710 13
Addition to Grammar School No. 7	6,000 00
" to Grammar School No. 16	7,209 55
" to Grammar School No. 17	5,210 25
" to English-German School No. 4	10,580 20
" to Annex School No. 2	4,500 00
" to Male Grammar School No. 15	4,500 00
General repairs to old buildings	11,000 00
Sanitary improvements	1,500 00
Wood ceilings	2,000 00
Painting buildings	4,000 00
Annex School No. 2	42 53
Total amount	$110,881 01

The report of the Inspector of Buildings shows that he has carefully examined the condition of the school buildings, and has made the necessary repairs. He has faithfully performed his duties pertaining to this department, and judiciously expended the amount appropriated for his use.

The system of receipts and expenditures adopted by this department has heretofore been thoroughly examined by the Committee of the City Council, who reported that "the rules of the School Board on this subject are wise and ample, and they find that the accounts of the Board are complete, satisfactory and well kept."

In this connection it may be well to repeat what we have heretofore said with reference to the expenditure of money appropriated for the use of the schools.

All contracts for the erection of new buildings or the repair of old ones, are made by the Inspector of Buildings, and all payments on account of the same are made by that officer, with the approval of the Mayor.

All bills for current expenses of the schools are paid by the City Comptroller, and all the necessary supplies, such as books, furniture, stationery, fuel, are furnished upon satisfactory contracts, which are awarded to the lowest responsible bidders, after due notice and proper competition among those who desire these contracts. No member of the Board can be pecuniarily interested,

directly or indirectly, in any contract whatever for the use of the schools, and not a dollar can be collected or paid by him on account of expenses. A double supervision is thus exercised over the finances of this department, and every possible protection and guarantee are given for the faithful management and proper expenditure of all appropriations made for the use of the schools.

The Board knows no better plan in the interest of judicious economy, but if any can be suggested which will accomplish more satisfactory results, it will be cheerfully adopted.

ESTIMATES FOR 1892.

The estimate for current expenses is $1,018,500, of which $105,000 is for the Annex Schools, as follows:

Salaries of officers and teachers		$718,500 00
Rents and ground rents		38,000 00
Books and stationery		47,500 00
Heating apparatus and repairs		11,000 00
Furniture		25,500 00
Fuel		26,000 00
Repairs and cleaning		10,000 00
Printing supplies and incidentals		11,000 00
Manual Training Schools		26,000 00
Annex Schools, salaries	$84,000 00	
Annex Schools, general expenses	21,000 00	
		$105,000 00
		$1,018,500 00

The above estimate has been made after a careful consideration of the wants of the schools during the present year, and it is submitted with the hope that the full amount will be appropriated. It is in excess of the expenditures of the past year, but it is absolutely necessary in view of the certain increase in the number of pupils and teachers, which causes a large additional expense for salaries, books, furniture and other school appliances.

The accompanying report of the Committee on Accounts, and the full and interesting statement of the Secretary, show in detail the items of the proposed expenditures, and the necessity for this increase, and it is hoped that no reduction will be made in the amount of the estimate.

SCHOOL HOUSES.

There are 105 houses occupied by the schools, of which number 82 are owned by the City, and 23 are rented, as follows: 7 for Grammar Schools, 1 English-German School, 4 Primary Schools, 7 Annex Schools, and 4 Colored Schools.

The amount paid for ground rents on houses belonging to the City, was $28,505.82, and for the rent of hired buildings, was $3,936.00. The total amount paid on account of school lots has been $251,364.25, and the estimated value of all the houses owned by the City is $1,594,400.

The Superintendent of Supplies has filed with his interesting report a full inventory of all the furniture, heating apparatus and other school supplies, except books in use, and estimates their value to be $232,-466.50, based on two-thirds of their original cost.

During the past year a new and commodious house was erected for Annex School No. 13, at the corner of North avenue and Washington street. Several other houses are in course of erection, and will be completed during this year.

The school house on Park avenue, occupied by Grammar and Primary Schools No. 19, was sold to the Maryland Construction Company for $25,000, and a new house, with a capacity for 1,000 pupils, is being built at the corner of Park avenue and Hoffman street for these schools. A new house is being erected on South Bond street for the use of Primary School No. 25, which now occupy an old building on Caroline street. Two new houses are in course of erection for the use of Annex Schools No. 10 and No. 11, which are absolutely necessary to accommodate the increasing number of pupils attending these schools.

The board regrets the necessity for using any rented buildings, as they are generally old dwellings or public halls, which are entirely unsuited for school use and detrimental to the health of teachers and pupils. The rent usually paid is more than the interest on an amount sufficient to erect a suitable new house, and it

would be judicious economy on the part of the City to build a sufficient number of houses and to dispense entirely with rented buildings.

The liberal appropriation made by the City from the five million bonds, enabled the Inspector of Buildings to erect a number of new houses in 1890, and we hope that an additional issue of bonds may soon be made by the City for schools and other good purposes.

The houses now in use are generally two stories high, which is better for the health of teachers and pupils, and easier for rapid escape in case of panic from fire or other cause. In this respect they differ from the houses in other cities, which are usually three or four stories in height.

Most of our houses are well lighted and ventilated, and are a great improvement on those erected years ago, and yet they do not seem to combine all the elements of convenience, health and safety which we hope to see in the future houses for our schools.

School lots have generally been leased by the City for ninety-nine years in the usual form of such leases upon annual ground rents, some of which are permanent and others redeemable, and the rents thus charged against the schools have increased from year to year, until now they amount to about $30,000 per annum.

In several previous reports the Board has asked to be relieved of these annual rents, and that their payment be charged upon the department having the control of City property, and it now again asks your favorable consideration of this recommendation.

The annual appropriation of the amount required for these rents largely increases the per capita cost, and the current expenditures of the schools, and it is an item not found in the schools of other cities, or any other department of this City.

It may be a matter worthy of your consideration whether some plan may be adopted by which all school lots may be purchased in fee simple, and the City thus be relieved of the annual appropriation for payment of these rents.

Mistakes have sometimes been made in the location and size of school sites, and the amounts appropriated for new houses have often been insufficient to erect them of proper dimensions. The results of these errors are that there is not sufficient ground adjoining the houses for exercise by the children during recess, and additional appropriations are needed in a short time after the completion of the houses for their enlargement. These difficulties can be obviated hereafter if the proper policy is adopted, by purchasing or leasing larger lots, and by erecting houses sufficiently large not only to accommodate the pupils in the schools, but also to provide room for the annual increase in

numbers. Lots should not be less than 100 feet front and 150 feet deep, and all appropriations for new houses should be at least thirty thousand dollars.

Although much has been done during the past few years for the benefit of our schools by the erection of new houses and the enlargement of old ones, there is still much more to be done in this respect for the comfort and health of our teachers and pupils. In some cases this can only be satisfactorily done by the erection of new houses, whilst in others, the object may be accomplished by the alteration and enlargement of the present buildings.

In view of these facts, it is our duty to report the condition of the houses occupied by the following schools, and ask that the necessary appropriations be made:

BALTIMORE CITY COLLEGE.

Some alterations and additions should be made to this building to remove the existing inconveniences. Several class-rooms are badly lighted, and it is necessary to use gas during the sessions of the school, which, of course, is injurious to the eyes of the teachers and students.

In our last annual report, we asked attention to the department of natural science, which needs better accommodations for its important work, and recommended the erection of another building on the vacant part of the present lot. This annex can be so constructed that

a part of it can be used by this department, and the balance may be arranged for a gymnasium for the physical training of the students of the College.

It would certainly be very desirable to furnish the required accommodations for this important department of instruction, and also to give the students the proper facilities for physical culture, such as are now generally connected with all similar schools. The cost of the proposed improvement would be moderate, and its advantages would be highly appreciated by the students, and we again recommend the matter to your favorable consideration.

WESTERN FEMALE HIGH SCHOOL.

The building occupied by this school was erected in 1858, and was then of sufficient size to accommodate all its pupils, the location was desirable, and there was then sufficient light and good ventilation. Since then, other buildings have been erected in such close proximity to the school, that the light has been excluded from several of the class-rooms, and it is necessary to use gas during the periods of recitation. The building has been examined thoroughly by committees of the Board, and by members of the City Council, and they concur in the opinion that there is urgent necessity for another lot and new building, and it is hoped that the necessary appropriation will be made during this year for this purpose.

GRAMMAR AND PRIMARY SCHOOLS.

The houses occupied by Grammar School No. 6 and No. 21, are so crowded that it has been necessary to rent additional rooms for several classes in these schools. It will be necessary to erect another grammar school building in the western or northwestern section of the city, which will give some relief to these schools.

The new house built last year on Eden street for Grammar Schools No. 20, would not accommodate all the pupils then in these schools, and four classes had to occupy a part of the building used by Primary Schools No. 20. An application will be made for authority to enlarge this new house, and it is hoped the necessary appropriation will be made for the purpose.

Grammar and Primary Schools No. 9 have rented houses on Courtland street for several years, which are unsuited for school use, and the necessary result is, the work of these schools is performed under many difficulties. If we find during the year that there are a sufficient number of children within a reasonable distance from its present location to justify the erection of a new house for these schools, we will ask an appropriation for the purpose.

The teachers in these schools perform their work faithfully and satisfactorily, and they ought not to be required to teach any longer under such unfavorable circumstances.

ANNEX SCHOOLS.

The old building on Clifton avenue, occupied by Annex School No. 8, is incommodious, and the patrons of the school are urgent in their request for a new house. This section of the city is rapidly increasing in population, and many new dwellings are being built, and we think that a new house should be erected in the neighborhood of sufficient size for the pupils now in the present building, and for the accommodation of the necessary increase in number. The old building can be sold by the city for a fair price.

Annex Schools No. 1, No. 9 and No. 12 are crowded, and it has been necessary to rent houses in their vicinity for their use. The houses occupied by No 1 and No. 9 should be enlarged, and a new house erected for No. 12.

COLORED SCHOOLS No. 8 AND ANNEX COLORED SCHOOL AT WAVERLY.

In our last report we asked authority to purchase a lot and erect a new house for the relief of these schools. Both schools are crowded, and several classes of each school are in rented rooms. There is a large number of colored children in that part of the city who do not attend any public school, and we again recommend that another school house be erected at a suitable location between these two schools.

PUBLIC SCHOOL LIBRARY.

The report of the Librarian shows that there are 6,017 volumes in the library, of which number 2,000 have been collected during the past two years. There are 1,200 registered teachers and students who use the library, and 4,417 books were taken out during the past year. The books most used are on history, biography, science and teaching, and it is very gratifying to find that the readers select the works of practical value. It is evident that the library is accomplishing the object for which it was established, and it is undoubtedly our duty to sustain it by liberal appropriations for the purchase of current publications adapted to the tastes of its readers. Many of the books recently collected have been donated by friends, and the Board will hereafter annually appropriate $500 for the purchase of new books.

The Librarian has been prompt in the performance of his duties, and earnest in his efforts to enlarge the library.

TEACHERS' ASSOCIATIONS.

We annually commend these associations because they are of great benefit to the teachers. Though they are not directly connected with our school system, they aid its work, and are entitled to our confidence. There is a great difference in the capacity of our teachers as shown in the results of their work. This must necessarily be so, because some have had more experience than others, and hence are better qualified for the

performance of their professional duties. It is the duty of all teachers to co-operate in their common work, so as to obtain the best results; and for that purpose, it is desirable that they should meet from time to time, and interchange opinions and give their experience with reference to their school work; and it is hoped that all teachers will become members of these associations.

In addition to the general associations for the promotion of their professional work, there is also another important association organized for the mutual benefit and aid of its members. It was formed in 1878, and its object is to provide a fund for the benefit of those members who through sickness or other personal disability, are prevented from the active discharge of school duties, and also upon the death of any member to provide a sum of money for the benefit of the family, widow, children or legal heirs of the deceased. Any teacher of the public schools of this city may become a member of the association upon payment of $1.00 initiation fee, and an annual membership fee of $3.00. Since its organization, thirteen years ago, many of its members have been sick and received benefits, and forty deaths have occurred. The total amount paid for sickness has been $11,424.31, and for death assessments, $11,558.00, making a total amount of $22,982 31. The present number of members is 337, being only about one-fourth of the whole number of teachers in our schools. It is regretted that so many teachers seem

to fail to appreciate the benefit of this association, and it is hoped that the number of members may be largely increased during this year.

SEWING.

The numerous petitions addressed to the Board in favor of introducing instruction in sewing to the girls in our schools were referred to the Committee on Grammar Schools, for its consideration. After a full and careful examination of the subject the committee unanimously reported in favor of giving such instruction to the girls in the grammar grades of the Female Grammar, English-German, Annex and Colored Schools, and their recommendation was adopted.

They considered that such instruction "will be of great advantage to the pupils and add materially to the efficiency of the public school system," and we feel sure that their expectations in this respect will be fully realized.

Sewing has been taught with great success in the public schools of other cities, and its introduction into the schools of our city has been too long delayed. Eleven teachers will be elected, one of whom will be the directress, and receive a salary of $600 per annum, and the others $500 each. It is supposed that this number will be sufficient for the present, and if it is found hereafter that more will be needed for the work, they will be appointed by the Board.

The full report and resolutions of the Committee on Grammar Schools is contained in the report of the Superintendent of Public Instruction, and shows conclusively the value and importance of this branch of industrial education.

COLUMBIAN EXPOSITION.

The 400th Anniversary of the Discovery of America will be celebrated throughout the whole country in October next by appropriate exercises in all the public schools, and the Columbian Exposition Grounds in Chicago will be dedicated at the same time.

It is recommended by the National Educational Association that the public schools shall lead in all local celebrations on Columbus Day, and that commemorative and patriotic demonstrations should be celebrated in every school house under the direction of those who are officially connected with the schools. A uniform program of exercises for every locality will be prepared and issued by the Executive Committee of the Educational Association early in September next at the opening of the schools, and sufficient time will thus be given to prepare the exercises before Columbus Day.

This celebration is, however, only a small part of what will be expected of the public schools. At the Columbian Exposition grounds, ample space will be assigned to each State for the exhibition of such educational and other exhibits as may be contributed. A

Special Committee will be appointed by the Governor of this State for the purpose of collecting all such exhibits, and it is hoped that those connected with the public schools will earnestly co-operate in the effort to contribute such work of the schools as will reflect credit on our school system.

Our Manual Training School is recognized by educators as the best connected with public schools, and it is our wish to send a creditable exhibit of its work. It will be necessary to place the machinery and engines under the charge of some one now connected with the school, so that they may be properly exhibited; and it is recommended that a special appropriation of $5,000 be made to defray the expenses of the school exhibits at the Exposition.

CONDITION OF THE SCHOOLS.

The general condition of the schools is satisfactory. The number of pupils has largely increased, the grade of scholarship has advanced, the teachers and pupils have generally performed their important work with fidelity and zeal, additional facilities have been furnished the schools, and there is undoubted evidence of progress during the past year.

Though our system of education is excellent in many respects, and is accomplishing good results, yet there is room for further improvement, and it is believed that even better results will be effected in the future. Dur-

ing each successive year the experienced educator will find something to add or omit for the benefit of the schools, and thus, from time to time, our system of instruction will approximate to that higher excellence to which it aspires.

It is impossible to reconcile the conflicting opinions which exist in every community with reference to public education. Every school system has its friends and enemies, the former often so enthusiastic as to be blind to its faults, and the latter so ignorant and prejudiced as to be unwilling to admit its value and use. The true mean between these extremes is found among those who have sufficient knowledge to understand the great importance of public education to the community, and to distinguish intelligently between the good and the bad. Judicious criticism will promote the interests of public education, and will aid those who are engaged in the work. But unfortunately this is not the kind of criticism which is frequently bestowed on the schools. There is a class of superficial critics who interfere with the public schools, and sometimes impede their progress. Some of these protest against the amount of work required of the pupils, whilst others think there is not sufficient; some insist that the teachers ought to accomplish much more than they do, and that they are overpaid for their services, whilst others believe that they are over-worked and inadequately compensated.

Some think that the public schools give too much education and the cost is too high, whilst others feel that no system of public instruction is complete that does not furnish all that is required from the lowest to the highest grade, and that the most liberal expenditure is justifiable for this purpose.

These conflicting views exist to some extent in our city, and yet it must be said to the credit of our citizens, that at no time in the history of our schools has there ever been manifested any open opposition which has seriously interrupted their work.

We construe this confidence to be an endorsement of the policy adopted by those who control our schools, and that it is not necessary to make any marked change in their management.

In our last annual report we announced the death of eleven teachers, being a larger number than had died during any previous year. The review of the work of each succeeding year reminds us that death is ever busy in our schools removing teachers and pupils from their field of labor. We miss them from our schools, where they were earnestly engaged in their good work, and we will ever cherish their memories and sincerely regret our loss.

During the past year twelve teachers have died, all of whom were recognized as conscientious and faithful in their respective positions in our schools.

WILLIAM T. R. SAFFELL.

Principal Male Colored School No. 1. Died March 29th, 1891.

PHŒBE J. TOMPKINS.

Assistant Eastern Female High School. Died April 17th, 1891.

ELIZABETH P. WYSHAM.

Assistant Female Primary School No. 32. Died May 6th, 1891.

LIZZIE W. WALLIS.

Assistant English-German School No. 1. Died May 23d, 1891.

LYDIA E. MacALLISTER.

Assistant Male Primary School No. 20. Died August 10th, 1891.

THOMAS FOLEY.

Assistant Male Colored School No. 3. Died August 11th, 1891.

ALICE V. KNIGHT.

Assistant Male Colored School No. 3. Died August 14th, 1891.

HELEN DORA MARSHALL.

Principal Female Annex School No. 34. Died August 18th, 1891.

ALICE M. ATKINSON.

Assistant Female Grammar School No. 5. Died September 8th, 1891.

JACOB GOODMAN.

Principal Male Grammar School No. 10. Died November 22d, 1891.

Mrs. FRANCES BARRY.

Assistant Male Grammar School No. 1. Died December 20th, 1891.

ANNIE A. PATTON.

Assistant Male Primary School No. 33. Died December 22d, 1891.

CONCLUSION.

In concluding this brief report of the work of our public schools for the past year, we acknowledge the official and personal courtesy and assistance tendered to this department by the Mayor and other officers of the city with whom we have had business relations, and express the hope that the same confidence may be continued during the year upon which we have just entered.

If our hope is realized in this respect, we are satisfied that you will have no cause to regret the support thus liberally bestowed, and our next annual report will record the satisfactory progress of our schools.

JOHN T. MORRIS,

President.

ANNUAL REPORT

— OF THE —

COMMITTEE ON ACCOUNTS.

BALTIMORE, December 31st, 1891.

TO THE BOARD:

Your Committee on Accounts respectfully report that in the performance of the duties enjoined upon them by the rules of the Board, they have carefully examined all the bills which have been presented for payment during the year, and have approved such bills to the amount of $182,364.38. This amount, together with the amount of the pay-rolls ($775,455.76), each of which was carefully examined and signed by the President and Secretary, as required by ordinance, makes the total expenditure by the Board for the year 1891, $957,820.14.

The rules also require that this committee shall examine the accounts of the Secretary. This also we have done, and have found the books neatly and accurately kept, and showing the results above specified. We find that he has received from non-resident pupils, as provided by ordinance, the sum of $3,395.85. This amount has all been paid over by him to the City Register as proved by the receipts of that officer.

In conformity with the custom which has prevailed in past years, the committee, after careful consideration and an earnest endeavor to ascertain, as far as possible, what amount of increase for the several items will be required for the coming year, respectfully submit the following

ESTIMATES FOR THE YEAR 1892.

Salaries	Gen'l Acc't.		$718,500
Rents and ground rents	"		38,000
Books and stationery	"		47,500
Heating apparatus and repairs	"		11,000
Furniture	"		25,500
Fuel	"		26,000
Repairs and cleaning	"		10,000
Incidentals, printing, supplies, &c.	"		11,000
Amount for General Account			$887,500
Manual Training School			26,000
Salaries—Annex		$84,000	
Rents "		2,500	
Books, &c. "		4,500	
Heating "		2,000	
Furniture "		5,500	
Fuel "		2,500	
Repairs, &c. "		2,000	
Incidentals "		2,000	
Amount for Annex Schools			105,000
Total			$1,018,500

To some this amount may appear to be extravagantly large, but any one with ordinary intelligence will readily recognize the necessity for a very considerable annual increase in our expenditures when knowing that the increase in the number of pupils in the schools is from 1,600 to 2,200 annually. This large increase in the number of pupils not only calls for an additional number of teachers and a corresponding increase in the amount required for salaries, but also in all the appliances required for the proper working of the schools, and a consequent increase in all the items of expenditure.

A few reasons for asking the amounts named in the estimates may not be out of place.

SALARIES.

Our estimate for this item for 1891 was.... $685,000 00
The amount expended was..... 684,013 36

For this item it is impossible to make a very close estimate with any certainty, depending as it does upon the increase in the number of pupils, which may or may not be large. It is an acknowledged fact that with additional facilities, especially new buildings, a large increase in the number of pupils may be confidently expected ; and as some five or six new buildings will be completed during the year 1892, we have estimated accordingly. We have also taken into consideration the proposition to employ teachers of sewing. The amount of the estimate is $718,500.

Rents and Ground Rents.

The amount appropriated for 1891 was $35,000 00
The amount expended was 34,771 32

It has been found necessary to rent additional accommodations for several schools, and the Mayor and City Council have authorized the leasing of several lots for school purposes; and thereby the amount of this item has been very considerably increased, so that the present rent list is $38,052.73. Presuming that the reduction of this amount, by relinquishing some of the rented buildings, will exceed the amount of increase for any cause, we have ventured to fix the estimate for the item at $38,000.

Books and Stationery.

The amount appropriated for 1891 was $45,000

Through the liberality of the Mayor and City Council in making an additional appropriation, we were enabled to supply many of the schools with books which had long been needed, but which could not be supplied before, because of their limited apportionment, and on that account the amount expended for this item was $47,504.56. We have made our estimate for 1892, $47,500, in order that many other schools may be supplied with books which have been needed but never obtained for the reason given above.

HEATING APPARATUS AND ITS REPAIRS.

Amount estimated by this Board for 1891	$9,000 00
Amount appropriated by the Mayor and City Council	8,000 00
Amount expended	8,762 80

During the past year no building has been furnished with its entire heating apparatus at the expense of the Board, the Smead system having been put in by special appropriation. During the coming year one or two buildings will be provided with ordinary furnaces by the Board, and on that account we place our estimate for this item at $11,000.

FURNITURE.

The amount appropriated for 1891 was	$15,000 00
" " expended in 1891 was	17,730 01
" " estimated for 1892 is	25,500 00

The question may be asked, why this large increase? It is expected that six new buildings will require new furniture during the year 1892. In these buildings there are, in the aggregate, 108 rooms. The amount required to furnish a room under the low price of our present contract for furniture is $190, making the total amount required for new buildings, $20,520; and the amount required for new furniture in old buildings and renovating old furniture, including that in English-German School No. 1, for Colored School No. 4, will require not less than $5,000. Therefore, we ask for the amount above stated.

FUEL.

The amount appropriated for 1891 was	$24,000 00
" " expended in 1891 was	23,841 92

The old buildings will not require any less fuel in 1892 than in 1891; and as we must include in our calculation the amount required for the several new buildings, we have fixed our estimate at $26,000.

REPAIRS AND CLEANING.

Amount appropriated for 1891	$9,000 00
" expended in 1891	9,643 66
" of estimate for 1892	10,000 00

The charges to this item vary very little from year to year, except the regular increase which affects all other items and depends upon the increase in the number of schools and pupils. The amount of increase called for in our estimate, over the expenditure of last year, being less than $400, we think further explanation unnecessary.

INCIDENTALS, PRINTING, SUPPLIES, &C.

Amount appropriated for 1891	$10,000 00
" expended in 1891	10,667 41
" of estimate for 1892	11,000 00

The remarks under the head of *Repairs and Cleaning* will apply equally well to this item.

MANUAL TRAINING SCHOOL.

Amount appropriated in 1891	$25,000 00
" expended in 1891	24,983 03
" estimated for 1892	26,000 00

The principal of this school, who knows far better than any one else what articles and materials are required for the proper working of the school, prepares an itemized estimate, which is submitted to the committee, and if approved, is given as the proper estimate. The amount above stated was thus prepared.

ANNEX SCHOOLS.

Amount of estimate for salaries, 1891	$76,000 00
" first appropriation in 1891	73,000 00
" expended in 1891	76,314 40

Making our calculations in this case by the rule that is always followed in the calculations for salaries, we reach the amount of $83,860, and we have allowed a margin of only $140 in fixing our estimate at $84,000. The amounts asked for the other items of the Annex Schools are too small to require any explanation, except, perhaps, as to *books and stationery* and *furniture*.

The amount expended for *books and stationery* during the year was $5,192.55. These schools have never before been able to obtain the needed supplies chargeable to this item, nor have they yet in full; but believing that there can be a reduction from the amount expended, we ask for only $4,500.

For *furniture* the amount expended was $6,171.35. There will probably be two new buildings to be furnished in 1892. The amount required for new furniture will be $4,620; for renovating old furniture we allow only $880, which makes the amount of our estimate $5,500.

We do not feel justified in closing this report without referring to a matter which to us seems to be one of injustice to this Board. We refer to the expenditure for ground rents. We cannot understand why this Board should be charged with that expenditure. We have no control over it, no power either to increase or diminish it. The leases under which these lots are obtained do not recognize this Board in any way. The houses on said lots are not the property of this Board, and we see no good reason why this Board should be required to bear this burden, which now amounts to more than $30,000, and is annually increasing, and which causes the *per capita* cost, and the current expenditures of the system to appear to a disadvantage when compared with other cities in which the schools are not charged with such an item. It is true that the Mayor and City Council do not now lease under an irredeemable ground rent; but while the new ground rents are redeemable so far as the City is concerned, they are irredeemable so far as the Board is concerned: for although a lot may be purchased within twelve months the Commissioners of Finance still hold this Board for the rent the same as it was held by the original owner, and for aught we can perceive, they

will continue to hold it and collect the said rent during the ninety-nine years and renewable forever.

We think this is a matter which in justice requires that this Board shall not merely request, but earnestly urge upon the Mayor and City Council the importance of making such change as shall place the payment of ground rents with the department having charge of city property. The attention of the Mayor and City Council was called to this matter as far back as in 1846, and again in 1884, as may be seen by reference to the reports of those dates.

In conclusion, we take pleasure in acknowledging the assistance always so courteously rendered to this committee by the officers of the Board.

Respectfully submitted,

ALCAEUS HOOPER,
CHARLES J. WIENER,
EDWARD A. BURKE,
W. H. B. FUSSELBAUGH, of J.
JACOB S. BARNES,

Committee.

Secretary's Statement.

Showing Amounts of Estimates, Appropriations and Expenditures for the Public Schools in 1891.

The estimates of the Board for 1891 were:

For salaries—for schools in the old limits	$685,000
" other items	150,000
" Manual Training School	27,000
" salaries—for schools in the Annex	76,000
" other items " " "	20,000
Total	$958,000

In making the regular appropriation the Council reduced the amounts estimated for as follows:

Salaries—for the first twenty wards	$10,000
Other items " " "	6,000
Salaries—of Annex schools	3,000
Other items " "	7,000
Total	$26,000

By Ordinance No. 144, approved October 10th, 1891, the Mayor and City Council appropriated $26,000, that being the amount of the reduction ($16,000 for the schools in the first twenty wards and $10,000 for the Annex), the same to be used by the Board where most needed. With this amount, and the liberty granted by the ordinances, the appropriations and expenditures were as follows:

Appropriated for schools in the first 20 wards	$837,000 00
Expended for schools in the first 20 wards.	836,935 04
Balance	$64 96
Appropriated for Manual Training School.	$ 25,000 00
Expended " " " "	24,983 03
Balance	$16 97
Appropriated for Annex schools	$ 96,000 00
Expended " " "	95,902 07
Balance	$97 93
Total amount of appropriation	$958,000 00
" " " expenditure	957,820 14
Balance	$179 86

The Expenditures Itemized were as Follows:

	Schools in the First Twenty Wards, Exclusive of Manual Training School and Evening School.		
	White.	Colored.	Totals.
Salaries	$594,848 61	$89,034 25	$683,882 86
Repairs and Cleaning	8,551 68	1,091 98	9,643 66
Books and Stationery	42,061 34	5,284 97	47,346 31
Rents and Ground Rents	31,094 65	3,676 67	34,771 32
Heating Apparatus and Repairs	7,761 67	1,001 13	8,762 80
Furniture	17,227 26	502 75	17,730 01
Fuel	21,347 12	2,494 80	23,841 92
Incidentals	10,505 95	136 21	10,642 16
Totals	$733,398 28	$103,222 76	$836,621 04

	All Other Schools.		
	Evening School.	Manual Training School.	Annex Schools.
Salaries	$130 50	$15,128 00	$76,314 40
Repairs and Cleaning		205 69	786 43
Books and Stationery	158 25	939 09	5,192 54
Rents and Ground Rents		220 00	2,450 50
Heating Apparatus and Repairs		87 88	1,125 46
Furniture		108 00	6,171 35
Fuel		623 29	3,075 11
Incidentals	25 25	7,671 08	786 28
Totals	$314 00	$24,983 03	$95,902 07

SUMMARY.

White schools, first 20 wards	$733,398 28	
Colored " " " "	103,222 76	
		$836,621 04
White schools, Annex	$ 93,185 99	
Colored " "	2,716 08	
		95,902 07
Manual Training School		24,983 03
Evening school, one month		314 00
Total		$957,820 14

RECEIPTS.

Amount received from City Collector—taxes	$644,072 64
Amount received from State of Maryland	185,154 98
" " " non-resident pupils	3,395 85
" " " John F. Plummer	114 50
Total	$832,737 97

In the above is not included the amount of taxes received from the Annex, as the bills for the same do not specify any particular amount for school purposes.

EXPENDED BY THE INSPECTOR OF BUILDINGS.

In First Twenty Wards.

For general repairs		$ 9,000 00
" sanitary improvements		1,500 00
" wood ceilings		2,000 00
" painting buildings		4,000 00
" remodeling Male Grammar School, No. 15		4,500 00
" addition to Grammar School, No. 7		6,000 00
" " " " " 16		7,209 55
" " " " " 17		5,210 25
" addition to English-German School, No. 4		10,580 20
" New Grammar and Primary School, No. 19		19,711 76
" New Primary School, No. 25		13,637 51
		$83,349 27

In Twenty-first and Twenty-second Wards.

For general repairs	$ 2,000 00	
" addition to No. 2	4,500 00	
" new No. 3	42 53	
" new No. 11	9,279 08	
" new No. 13	11,710 13	
		$27,531 74

Total by the Inspector	$110,881 01
Total by the Board	957,820 14
Total	$1,068,701 15

Number of Non-resident Pupils now in the Schools, and the amount received from the same.

	No.	Amount.
Baltimore City College	21	$904 00
Female High Schools	5	182 00
Manual Training School	18	649 25
Male Grammar Schools	38	656 85
Female Grammar Schools	42	647 25
English-German Schools	2	40 00
Male Primary Schools	6	74 75
Female Primary Schools	9	54 75
Annex Schools	15	187 00
Totals	156	$3,395 85

TABLE RELATING TO THE PER CAPITA COST.

The cost per pupil, including all the schools of the city under the control of this Board, based on the enrollment and the current expenditure was $18.20.

The Cost in the Several Grades was as follows:

In Baltimore City College	$92 00
" Manual Training School	67 50
" Female High Schools	36 00
" Male Grammar Schools	22 32
" Female Grammar Schools	18 80
" English-German Schools	16 20
" Male Primary Schools	14 52
" Female Primary Schools	14 37

In High and Grammar Colored Schools..... 19 78
" Primary Colored Schools 13 80
" Annex Schools..... 16 75

The following tables exhibit the amounts expended by the Board in each month of the year; the itemized and total expenditures for each school; the location of each building; size of lot; amount of ground rent; paid for lot; size of building; estimated value of building; location of rented buildings, &c.

HENRY M. COWLES,

Secretary.

TABLE A.

Showing the Amount Expended during each Month of the year 1891.

Months.	Salaries.	Repairs and Cleaning.	Books and Stationery.	Rents and Ground Rents.	Heating Apparatus and its Repairs.	Furniture.	Fuel.	Incidentals, Printing, &c.	Manual Training School.	Annex Schools.	Totals.
January...	56,757 65	214 60	3,498 59	5,220 75	260 75	288 00	.....	453 33	1,381 88	7,220 46	75,296 01
February..	56,896 50	379 88	646 38	706 50	126 90	333 73	250 20	246 54	1,240 00	8,120 77	68,947 40
March....	56,946 56	1,162 54	2,327 49	1,345 09	234 44	1,178 27	331 23	576 55	1,946 51	6,701 86	72,750 54
April.....	57,106 10	511 55	1,017 74	4,152 02	39 20	199 26	452 38	1,033 58	2,267 48	6,710 73	73,490 04
May.....	56,707 30	930 22	859 04	3,531 30	45 03	381 89	1,020 23	941 07	2,089 18	8,792 74	75,298 00
June.....	112,059 00	506 55	660 94	1,813 33	1,704 76	64 28	19 37	1,026 09	3,046 27	12,782 88	133,683 47
July.....	.....	1,453 90	153 07	5,345 75	1,462 73	1,045 50	15,321 47	1,875 87	953 41	794 19	28,405 89
August...	55,348 30	1,822 12	.....	706 50	1,260 40	3,469 04	5,784 79	263 27	1,465 56	7,521 50	77,641 48
September	56,242 65	695 15	14,268 95	1,863 44	1,616 33	2,168 13	49 50	1,258 05	1,464 92	7,257 68	86,884 80
October..	58,395 05	491 50	19,378 15	4,508 18	831 06	1,198 98	287 50	889 33	1,913 87	10,051 18	97,944 80
November	58,525 65	762 75	3,803 22	3,535 12	799 21	3,269 80	77 00	470 54	1,832 93	8,882 71	81,958 93
December.	59,028 60	712 90	890 99	2,043 34	381 99	4,133 13	248 25	1,633 19	5,381 02	11,065 37	85,518 78
Totals..	684,013 36	9,643 66	47,504 56	34,771 32	8,762 80	17,730 01	23,841 92	10667 41	24,983 03	95,902 07	957,820 14

TABLE B.

Showing the Itemized Expenditures for Each School.

Schools.	Salaries.	Repairs and Cleaning.	Books and Stationery	Rents and Ground Rents.	Heating Apparatus and its Repairs.	Furniture.	Fuel.	Incidentals, Printing, &c.	Totals.
General Expense Account	18,783 00	798 34	733 94	300 00	.....	75 25	.....	5,869 59	26,560 12
Baltimore City College	31,093 30	1,537 69	1,599 40	4,600 00	249 25	442 56	499 40	1,468 13	41,489 73
Eastern Female High School	11,315 00	72 30	672 12	615 91	153 45	694 87	316 38	253 78	14,093 81
Western " " "	14,008 00	33 71	737 93	1,188 00	96 55	571 00	394 06	270 78	17,300 03
Manual Training School	15,128 00	205 69	939 09	220 00	87 88	108 00	623 29	7,671 08	24,983 03
Male Grammar No. 1	5,221 00	363 02	588 97	177 00	111 35	49 05	241 46	93 11	6,844 96
" " 2	7,067 90	15 00	706 37	122 22	9 00	92 00	336 49	24 50	8,373 48
" " 3	4,146 00	49 51	204 40	225 00	29 79	.....	95 64	34 11	4,784 45
" " 4	4,462 00	27 72	424 73	300 00	108 90	235 75	90 85	25 92	5,675 87
" " 5	4,360 00	29 73	422 59	300 00	59 51	26 24	103 93	.....	5,302 00
" " 6	7,027 00	60 87	671 33	445 00	145 05	108 21	215 85	55 42	8,728 73
" " 7	5,249 00	71 65	479 33	175 00	216 93	787 39	165 20	16 75	7,161 25
" " 8	6,348 80	37 95	584 71	350 00	36 65	46 20	197 61	5 50	7,607 42
Male Grammar & Primary No. 9	3,803 00	25 76	198 66	360 00	15 65	.....	134 25	118 97	4,656 29
" No. 10	5,057 95	25 60	487 62	87 50	61 48	285 57	113 10	50 80	6,169 62
" " 11	5,224 25	16 50	530 68	9 50	39 15	13 50	226 57	.....	6,060 15
" " 12	5,490 10	249 85	564 80	310 31	143 61	.....	208 55	52 55	7,019 77
" " 13	3,699 60	19 90	326 86	12 50	38 75	90 12	92 18	.....	4,279 91
" " 15	8,516 00	148 60	1,071 61	400 00	175 65	951 19	285 90	208 08	11,757 03
" " 16	1,160 00	78 90	267 19	175 00	15 63	154 99	.....	17 50	1,869 21
" " 17	4,579 50	56 10	374 42	290 63	181 67	670 60	133 49	69 00	6,355 41
" " 18	4,139 50	28 05	284 90	175 33	46 55	22 25	200 12	.....	4,896 70
" " 19	5,040 00	40 86	589 19	587 25	131 35	656 90	23 46	217 59	7,286 60
" " 20	6,822 00	11 50	744 62	.....	10 00	.....	286 40	60 50	7,935 02

Male Grammar No. 21	6,166 20	278 25	640 47	310 00	70 10	48 50	164 15	42 30	7,719 97
Totals, Male Grammar	103,579 80	1,635 32	10,163 45	4,812 24	1,646 77	4,238 46	3,315 20	1,092 60	130,483 84
English-German No. 1	9,236 00	32 00	662 49	150 00	100 47	34 88	179 60	.....	10,395 44
" " " 2	15,452 85	95 00	1,199 29	372 50	121 28	515 70	417 10	14 25	18,187 97
" " " 3	17,421 15	141 07	1,399 32	1,050 00	244 16	451 70	371 89	9 49	21,088 78
" " " 4	16,403 65	60 80	1,300 48	501 75	668 00	1,833 49	589 56	81 25	21,438 98
" " " 5	12,228 90	125 46	1,283 01	.....	29 36	124 25	523 50	48 35	14,362 83
Totals, English-German	70,742 55	454 33	5,844 59	2,074 25	1,163 27	2,960 02	2,081 65	153 34	85,474 00
Female Grammar No. 1	5,728 00	48 37	402 13	547 38	99 15	328 50	264 04	.....	7,417 57
" " " 2	5,115 00	25 10	949 89	122 22	.....	.....	368 95	.....	6,581 16
" " " 3	3,164 50	29 44	225 92	450 00	41 44	3 00	112 10	.....	4,026 40
" " " 4	3,682 00	30 50	341 89	300 00	66 46	235 70	111 85	.....	4,768 40
" " " 5	4,075 95	42 90	368 72	300 00	43 46	163 00	119 47	.....	5,113 50
" " " 6	6,192 50	336 95	637 78	445 00	88 15	52 00	231 80	104 53	8,088 71
" " " 7	4,410 75	64 48	436 26	175 00	197 00	252 00	198 67	51 20	5,785 36
" " " 8	5,958 75	35 80	614 76	350 00	36 00	28 00	213 30	.....	7,236 61
Female Gram. & Primary No. 9	3,138 30	30 29	170 12	600 00	32 74	.....	147 67	.....	4,119 12
Female Grammar No. 10	4,740 50	23 30	423 84	87 50	39 96	114 25	106 60	27 20	5,563 15
" " " 11	4,359 50	9 31	442 80	9 50	39 00	.....	237 48	.....	5,097 59
" " " 12	4,265 25	35 25	403 90	310 31	77 40	19 29	224 30	6 30	5,342 00
" " " 13	3,640 50	56 73	334 93	12 50	43 35	74 00	107 72	.....	4,269 73
" " " 15	8,329 25	144 60	882 00	.....	61 35	156 89	280 40	21 90	9,876 39
" " " 16	5,994 00	155 45	601 62	381 25	298 78	1,643 10	397 69	189 10	9,660 99
" " " 17	4,150 50	55 53	424 97	290 62	178 61	886 70	149 12	69 65	6,205 70
" " " 18	3,240 00	40 40	228 59	175 34	35 00	116 87	183 10	.....	4,019 30
" " " 19	4,147 75	46 87	424 78	666 42	121 36	.....	186 01	162 19	5,755 38
" " " 20	6,270 00	10 00	695 73	.....	.....	.....	296 38	24 50	7,296 61
" " " 21	6,913 66	306 68	827 50	767 50	223 08	411 45	291 60	132 19	9,873 66
Totals, Female Grammar	97,516 66	1,527 95	9,838 13	5,990 54	1,722 29	4,484 75	4,228 25	788 76	126,097 33

TABLE B—Continued.

Schools.	Salaries.	Repairs and Cleaning.	Books and Stationery.	Rents and Ground Rents.	Heating Apparatus and its Repairs.	Furniture.	Fuel.	Incidentals, Printing, &c.	Totals.
Male Primary No. 1	4,824 00	343 17	194 49	177 00	88 00	311 83	235 90	75	6,175 14
" " 2	2,745 40	25 05	101 76	125 00	27 50	26 03	89 79	12 30	3,152 83
" " 3	3,635 90	17 00	160 01	.....	29 50	144 38	95 63	.....	4,082 42
" " 4	3,219 00	20 00	151 14	105 00	39 81	.....	64 00	.....	3,598 95
" " 5	5,240 75	83 95	296 58	300 00	30 55	129 00	202 24	5 61	6,288 68
" " 6	4,526 40	42 95	401 25	206 25	97 65	48 25	99 30	23 08	5,445 13
" " 7	2,776 50	19 00	129 90	.....	20 00	32 50	87 80	.....	3,065 70
" " 8	2,303 75	24 95	122 26	135 84	48 50	.....	140 23	.....	2,784 53
" " 10	3,232 50	32 00	129 81	100 00	25 67	.....	74 90	.....	3,594 88
" " 11	6,634 85	108 90	362 73	378 50	58 75	35 00	310 09	31 65	7,920 47
" " 12	4,619 50	32 44	233 26	194 00	76 18	32 14	90 85	12 60	5,290 97
" " 13	2,786 20	16 75	117 84	265 00	.....	18 25	306 17	3 00	3,513 21
" " 14	4,234 20	17 00	224 75	420 00	28 75	160 50	244 19	1 50	5,330 89
" " 15	5,087 55	24 40	225 04	350 00	68 61	18 25	112 25	1 50	5,887 60
" " 16	3,773 50	26 50	163 23	395 00	43 08	.....	87 80	.....	4,489 11
" " 17	3,644 50	15 00	190 94	108 50	76 29	9 00	92 09	3 00	4,139 32
" " 18	3,222 00	55 35	145 13	157 50	75 61	348 74	97 83	26 75	4,128 91
Male & Female Primary No. 19	2,239 75	26 48	141 26	337 50	55 29	8 00	65 13	50 20	2,923 61
Male Primary No. 20	7,672 60	67 51	360 17	296 00	76 50	8 50	480 49	21 25	8,983 02
" " 21	4,103 50	31 05	210 30	160 00	53 47	.....	113 50	15 80	4,687 62
" " 22	4,687 50	29 34	283 71	352 75	90 69	7 50	85 60	5 00	5,542 09
" " 23	4,248 75	171 68	208 79	75 00	183 80	10 50	159 98	5 61	5,064 11
" " 24	4,404 95	26 75	231 38	.....	35 64	21 62	326 79	.....	5,047 13
" " 25	2,678 55	17 69	124 93	67 00	21 45	49 00	171 65	.....	3,130 27
" " 26	3,124 05	62 64	164 64	63 00	22 50	9 12	61 91	2 50	3,510 36
" " 27	4,069 30	42 40	207 79	137 25	51 97	.....	87 40	10 60	4,606 71
" " 28	3,663 50	45 90	170 09	135 00	54 69	126 85	96 30	19 90	4,312 23

Male Primary No. 29	2,367 50	15 00	136 37	285 00	55 96	11 80	108 19	.....	2,979 82
" " 30	7,148 15	20 95	349 16	375 00	24 70	37 07	275 32	14 60	8,244 95
" " 31	3,256 15	102 90	120 82	114 00	.....	200 88	224 28	60 50	4,079 53
" " 32	3,824 50	1 00	209 19	.....	.....	141 89	203 87	48 00	4,428 45
" " 33	3,646 55	12 50	307 52	.....	.....	238 00	224 53	34 71	4,463 81
Totals, Male Primary	127,641 80	1,578 20	6,576 24	5,815 09	1,561 11	2,184 60	5,125 00	410 41	150,892 45
Female Primary No. 1	5,271 65	29 97	229 05	547 37	45 75	.....	253 20	.....	6,376 99
" " 2	2,741 50	15 00	116 10	125 00	31 75	48 26	110 66	7 50	3,195 77
" " 3	3,334 20	33 25	159 82	225 00	29 50	162 62	95 63	.....	4,040 02
" " 4	3,199 50	19 45	79 51	105 00	36 73	8 25	64 00	5 61	3,518 05
" " 5	5,225 25	60 20	262 94	300 00	27 50	168 25	218 71	5 00	6,267 85
" " 6	5,053 70	22 25	279 98	206 25	40 31	38 00	81 27	.....	5,721 76
" " 7	2,298 50	19 00	90 59	.....	20 00	146 50	102 72	.....	2,677 31
" " 8	2,721 00	125 00	154 74	85 50	42 50	.....	167 66	.....	3,296 40
" " 10	3,209 50	12 50	132 30	100 00	25 00	.....	80 15	.....	3,559 45
" " 11	5,793 90	.....	312 13	378 50	42 00	35 00	332 50	27 22	6,921 25
" " 12	4,694 65	17 50	254 97	134 00	55 00	17 13	106 60	26 00	5,305 85
" " 13	2,843 20	2 50	104 38	265 00	.....	.....	352 50	.....	3,567 58
" " 14	3,693 80	20 84	174 58	420 00	28 75	16 29	266 10	22 50	4,642 86
" " 15	5,050 45	27 60	238 33	350 00	70 04	.....	128 75	.....	5,865 17
" " 16	3,309 85	38 74	133 94	395 00	56 90	9 12	98 78	.....	4,042 33
" " 17	3,685 50	19 76	64 80	108 50	49 08	.....	120 00	7 55	4,055 19
" " 18	3,202 75	56 05	65 70	157 50	37 92	317 71	114 00	12 02	3,963 65
" " 20	6,618 00	47 00	330 00	296 00	76 00	.....	473 31	.....	7,840 31
" " 21	3,674 25	38 45	182 37	160 00	55 40	.....	130 24	.....	4,240 71
" " 22	4,595 20	15 00	218 57	88 75	49 72	.....	108 20	.....	5,075 44
" " 23	4,206 20	9 30	189 89	75 00	120 43	24 50	170 47	.....	4,795 79
" " 24	4,180 15	22 50	248 32	.....	37 40	.....	288 03	.....	4,776 40
" " 25	2,750 25	14 50	168 55	67 00	21 20	7 50	73 84	.....	3,102 84
" " 26	2,793 90	12 50	160 38	63 00	22 50	3 00	73 65	.....	3,128 93
" " 27	4,247 75	43 78	219 92	137 25	47 14	22 50	108 36	.....	4,826 70
" " 28	3,234 75	22 75	153 26	135 00	50 65	31 25	112 05	.....	3,739 71
" " 29	2,316 50	.....	102 83	285 00	32 56	6 00	121 31	.....	2,864 20
" " 30	6,082 20	40 10	406 22	375 00	17 25	28 50	302 19	.....	7,251 46
" " 31	3,195 55	81 18	145 93	114 00	.....	200 88	229 77	47 66	4,014 97
" " 32	3,356 20	25 00	165 01	.....	.....	127 89	254 87	37 50	3,966 47
" " 33	3,588 70	22 17	350 43	.....	.....	156 60	247 66	.....	4,365 56

TABLE B—Continued.

Schools.	Salaries.	Repairs and Cleaning.	Books and Stationery	Rents and Ground Rents.	Heating Apparatus and its Repairs.	Furniture.	Fuel.	Incidentals, Printing, &c.	Totals.
High and Gram., Colored, No. 1	8,470 00	284 83	935 65	350 00	45 20	30 00	229 23	122 27	10,467 18
" " " 2	2,600 00	37 00	255 44	200 00	30 83	.....	174 18	.....	3,297 45
" " " 3	3,490 10	81 90	415 01	.....	46 46	.....	184 25	.....	4,217 72
Male Colored No. 1	2,904 60	.....	204 55	100 00	.....	.....	.....	.....	3,209 15
" " 2	3,812 75	16 50	159 36	12 50	83 26	.....	98 78	.....	4,183 15
" " 3	4,977 45	42 62	257 48	156 00	94 47	51 50	103 21	5 45	5,688 18
" " 4	5,083 50	18 42	230 00	590 00	50 00	4 25	78 58	.....	6,054 75
" " 5	3,750 40	62 05	173 07	337 17	24 50	.....	174 18	.....	4,521 37
" " 6	3,605 05	30 15	187 39	150 00	30 00	33 25	96 30	75	4,132 89
" " 7	6,145 25	28 40	222 92	240 00	72 18	.....	272 00	.....	6,980 75
" " 8	3,857 60	131 60	201 61	65 00	145 09	184 25	76 85	.....	4,662 00
" " 9	4,662 25	152 15	233 45	112 50	45 24	.....	83 61	.....	5,289 20
Female Colored No. 1	4,116 70	4 50	189 79	150 00	.....	.....	.....	.....	4,460 99
" " 2	3,711 00	27 30	199 42	12 50	69 01	.....	109 75	.....	4,128 98
" " 3	4,440 10	26 00	211 47	96 00	58 54	7 50	118 96	3 74	4,962 31
" " 4	4,424 60	13 30	145 26	590 00	50 02	.....	95 07	.....	5,318 25
" " 6	3,051 25	18 66	178 50	210 00	30 00	8 00	101 55	.....	3,597 96
" " 7	8,001 95	23 70	439 67	240 00	97 33	.....	282 01	.....	9,084 66
" " 8	4,068 95	86 90	249 98	65 00	29 00	184 00	116 79	4 00	4,804 62
" " 9	3,860 75	6 00	194 95	.....	.....	.....	99 50	.....	4,161 20
Totals, Colored	89,034 25	1,091 98	5,284 97	3,676 67	1,001 13	502 75	2,494 80	136 21	103,222 76
Evening School No. 1	130 50	.....	158 25	.....	.....	.....	.....	25 25	314 00
Annex, General Expense	.....	39 37	.....	.....	.....	.....	.....	37 50	76 87
Annex No. 1	3,479 50	35 00	272 74	144 00	83 68	.....	46 91	.....	4,061 83

Annex No. 2	9,151 85	126 50	666 29	400 00	246 64	406 49	379 85	266 33	11,643 95
" " 3	4,971 75	46 00	221 27	.....	39 73	484 87	159 50	30 52	5,953 64
" " 4	4,129 20	8 40	140 99	.....	27 00	284 25	233 35	.....	4,823 19
" " 5	3,597 20	40 80	121 41	350 00	36 39	.....	66 40	68 85	4,281 05
" " 6	4,056 00	27 50	315 16	.....	25 00	311 52	242 65	.....	4,977 83
" " 7	5,766 80	14 89	423 81	22 50	159 41	23 50	184 85	.....	6,595 76
" " 8	5,592 20	.....	347 46	.....	57 77	.....	66 60	7 48	6,071 51
" " 9	3,848 50	15 00	173 30	.....	24 90	.....	55 25	3 20	4,120 15
" " 10	3,881 75	74 83	300 73	180 00	61 45	.....	150 80	5 00	4,654 56
" " 11	4,196 45	35 00	268 14	170 00	54 58	1,260 30	54 28	.....	6,038 75
" " 12	9,239 80	51 56	376 09	600 00	173 90	466 38	287 60	18 50	11,213 83
" " 13	5,793 00	63 47	1,051 55	210 00	74 68	2,587 33	510 75	293 29	10,584 07
" " 14	1,228 00	73 93	36 97	120 00	35 24	32 00	20 61	27 36	1,574 11
" " 34, Male	2,794 40	23 28	219 53	.....	.....	171 53	280 95	19 42	3,509 11
" " 34, Female	2,313 40	78 80	168 97	.....	6 50	143 18	286 10	8 83	3,005 78
" " 1, Colored	1,533 60	14 40	48 35	158 00	10 18	.....	45 41	.....	1,809 94
" " 3, Colored	741 00	17 70	39 78	96 00	8 41	.....	3 25	.....	906 14
Totals, Annex	76,314 40	786 43	5,192 54	2,450 50	1,125 46	6,171 35	3,075 11	786 28	95,902 07

TABLE B—Concluded.

SUMMARY.

Schools.	Salaries.	Repairs and Cleaning.	Books and Stationery	Rents and Ground Rents.	Heating Apparatus and its Repairs.	Furniture.	Fuel.	Incidentals, Printing, &c.	Totals.
General Expense	18,783 00	798 34	733 94	300 00	.....	75 25	.....	5,869 59	26,560 12
Baltimore City College	31,093 30	1,537 69	1,599 40	4,600 00	249 25	442 56	499 40	1,468 13	41,489 73
E. & W. F. High Schools	25,323 00	106 01	1,410 05	1,803 91	250 00	1,265 87	710 44	524 56	31,393 84
Male Grammar Schools	103,579 80	1,635 32	10,163 45	4,812 24	1,646 77	4,238 46	3,315 20	1,092 60	130,483 84
English-German Schools	70,742 55	454 33	5,844 59	2,074 25	1,163 27	2,960 02	2,081 65	153 34	85,474 00
Female Grammar Schools	97,516 66	1,527 95	9,838 13	5,990 54	1,722 29	4,484 75	4,228 25	788 76	126,097 33
Male Primary Schools	127,641 80	1,578 20	6,576 24	5,815 09	1,561 11	2,184 60	5,125 00	410 41	150,892 45
Female Primary Schools	120,168 50	913 84	5,895 54	5,698 62	1,168 98	1,575 75	5,387 18	198 56	141,006 97
White Schools	594,848 61	8,551 68	42,061 34	31,094 65	7,761 67	17,227 26	21,347 12	10,505 95	733,398 28
Colored	89,034 25	1,091 98	5,284 97	3,676 67	1,001 13	502 75	2,494 80	136 21	103,222 76
Evening	130 50	.....	158 25	.....	.....	.....	.....	25 25	314 00
	684,013 36	9,643 66	47,504 56	34,771 32	8,762 80	17,730 01	23,841 92	10,667 41	836,935 04
Manual Training School	15,128 00	205 69	939 09	220 00	87 88	108 00	623 29	7,671 08	24,983 03
Annex Schools	76,314 40	786 43	5,192 54	2,450 50	1,125 46	6,171 35	3,075 11	786 28	95,902 07
Totals	775,455 76	10,635 78	53,636 19	37,441 82	9,976 14	24,009 36	27,540 32	19,124 77	957,820 14

TABLE C.

Showing the Location of Schools, Size of Lots, Amount of Ground Rents, Amount Paid on Account of Lots, Size of Buildings, Estimated Value of Buildings, and Date of Erection.

Schools.	Location.	Size of Lot.	Amount of Ground Rent.	Amount paid on account of Lot.	Size of Building.	Estimated Value of Building.	Date of Erection.
Baltimore City College..	Howard, opposite Centre.....	120 x 260	4,600 00	.....	100 x 162	110,000	1874
E. F. High School....	Aisquith and Orleans	102 x 210	540 91	2,651 50	102 x 56	80,000	1868
	Side lot and rear building.....	39 x 180	75 00	15,000 00	51 x 58	.....	....
W. F. High School.....	Fayette, near Paca.....	98 x 144	1,188 00	.....	72 x 132	55,000	1858
Manual Train'g School	Courtland, nr. Saratoga (old bldg.).	82 x 90	In fee.	6,437 75	44 x 90	18,000	1868
	" " " (new bldg.)	62[6] x 90	220 00	10,000 00	54 x 90	25,000	1890
Male Gram. and P. No. 1	N. E. corner Fayette and Greene...	97 x 102	354 00	9,000 00	83 x 96[7]	25,000	1880
Fem. Gram. and P. No. 1	S. W. " " " " ...	77[6] x 170	1,094 75	.....	62 x 140	27,000	1875
Grammar No. 2 ...	Broadway and Bank.....	100 x 141	244 44	.....	101 x 39	30,000	1888
	" " " (rear building)	.....	.....	.....	52 x 87	.....	....
" and P. " 3.....	High, near Fayette.....	80 x 167*	900 00	.....	50 x 145	28,800	1875
" " " 4.....	Sharp, near Montgomery.....	100 x 155	600 00	.....	56 x 85	18,000	1869
" " " 5.....	Greenmount avenue and Eager....	66 x 150*	600 00	.....	55 x 100	17,000	1872
" " " 6.....	Division, near Lanvale.....	104[2] x 171[3]	800 00	.....	55 x 120	21,000	1877
" " " 7.....	Eastern avenue and Burke	100 x 150	350 00	.....	52 x 136	24,000	1880
" " " 8, old..	Hollins, near Fulton.....	140 x 129	700 00	.....	54 x 112	18,000	1877
" " " 8, new.	Hollins and Monroe.....	Old lot.	.....	.....	55 x 104	21,000	1890
" " " 10.....	William and Warren avenue	70 x 140	175 00	.....	44 x 103	13,000	1850
" " " 11.....	Bond and Jefferson.....	70 x 152[3]	19 00	8,700 00	56 x 116	20,000	1884
" " " 12.....	Ridgely, near Fremont.....	124 x 155	620 67	.....	73 x 125	25,000	1877
" " " 13.....	Aisquith, near Mullikin.....	55 x 180	25 00	12,600 00	44 x 100	17,000	1870
M. " " 15.....	Carrollton avenue, near Lexington	100 x 160[4]	400 00	.....	55 x 107	20,000	1860

TABLE C—Continued.

Schools.	Location.	Size of Lot.	Amount of Ground Rent.	Amount paid on account of Lot.	Size of Building.	Estimated Value of Building.	Date of Erection.
F. Gram. No. 15	Carrollton avenue and Lexington	49^{6} x 103	In fee.	10,000 00	49 x 135	20,000	1886
Grammar " 16	Hull and Clement (Locust Point)	100 x 155^{3}	350 00	.....	56 x 113	18,000	1882
" " 17	Washington, near Fayette	93 x 190	581 25	.....	52 x 119	20,000	1871
" " 18	Mulberry, near Fremont	87^{8} x 134	350 67	.....	54 x 85	15,000	1868
Gram. and Prim. No. 19	Park avenue and Hoffman	120 x 150	1,020 00	.....	100 x 147	35,000	1892
Grammar No. 20	Eden and Federal	180^{6} x 100	.....	8,000 00	60 x 124	25,000	1890
" " 21	Presstman and Gilmor	102^{5} x 155	620 00	.....	55 x 121	32,000	1876
Eng.-Ger. " 1	Druid Hill avenue, near Biddle	75 x 100	150 00	.....	44 x 100	12,000	1841
" " 2	Charles and Ostend	74^{6} x 219^{2}	372 50	.....	56 x 150	28,000	1882
" " 3	Baltimore, near Aisquith	90 x 170	1,000 00	.....	54 x 118	23,000	1879
" " 4	Chase and McDonogh	80 x 223	501 75	.....	56 x 183^{2}	30,500	1882
" " 5	Lexington, near Fremont	81 x 220^{6}	.....	15,000 00	60 x 124	25,000	1890
Primary " 2	Gough and Stiles	75 x 92	250 00	3,500 00	32 x 55	9,000	1854
" " 4	Hanover and Lee	80 x 76^{6}	210 00	.....	52 x 76	6,000	1834
" " 5	Broadway and Chew	120 x 120	600 00	.....	60 x 113	24,000	1876
" " 6	Ann, near Canton avenue	63 x 140	112 50	6,800 00	46 x 100	14,800	1878
" " 7	Mullikin, near Aisquith	74 x 100	**	.....	45 x 65	5,000	1864
" " 8	Caroline, near Lombard	105^{5} x 150	221 34	6,200 00	94^{7}x 59^{7}	18,000	1888
" " 10	Hollins, near Schroeder	60^{8} x 134	200 00	.....	46 x 70	6,000	1855
" " 11	Gilmor and Mosher	126^{2} x 156^{10}	757 00	.....	57^{9}x 104	30,000	1886
	" " " (rear building)	.....	.....	.....	30^{7}x 105^{6}	.....	1889
" " 12	Barre and Warner	67 x 120	268 00	.....	55 x 84	16,000	1870
" " 13	Patterson Park ave. and McElderry	155 x 115	530 00	.....	55 x 105	21,000	1890
" " 14	Linden avenue and Wilson	105 x 150	840 00	.....	55 x 117	20,000	1882

Primary No. 15	Saratoga and Carrollton avenue	100 x 150	700 00		50 x 120	19,000	1872
" " 16	Harford avenue and Chew	105 x 158*	790 00		56 x 113	19,000	1876
" " 17	Light and Poultney	62[1] x 122	217 00	800 00	50 x 72	10,000	1875
" " 18	Argyle avenue, near Lanvale	80 x 140	315 00		45 x 68	13,000	1858
" " 20	Eden and Preston	100 x 207	592 00	6,000 00	51 x 167	35,000	1868
" " 21	Peunsylvania avenue and Robert	80 x 155	320 00		50 x 80	16,000	1869
" " 22	Ramsay, near Scott	71 x 128[6]	177 50		45 x 95	10,000	1855
" " 23	Gough and Wolfe	75 x 110	150 00	2,400 00	57[9] x 104	19,000	1886
" " 24, new	Lancaster and Patuxent	150 x 100		7,500 00	77 x 86	21,000	1890
" " 24, old	Chesapeake and Hudson (Canton)	80 x 100	In fee.		32 x 50	5,000	1853
" " 25	Caroline, near Canton avenue	129[6] x 110	In fee.	14,962 50	93 x 90	25,000	1892
" " 26	Orleans, near Bond	84 x 75	126 00	4,500 00	50 x 65	15,000	1874
" " 27	Fayette and Chester	92 x 120	274 50		48 x 72	18,000	1869
" " 28	Battery avenue and Clement	75 x 82	270 00	1,000 00	46 x 82	15,000	1869
" " 29	Sharp, near West	114 x 155	570 00		55[9] x 104	21,600	1886
" " 30	Hollins, near Fulton	150 x 129[6]	750 00		55 x 82	16,000	1874
" " 31	Pierce and Schroeder	60 x 122	228 00	2,500 00	57[4] x 102	21,000	1890
" " 32	Guilford avenue and Lanvale	80 x 154		11,800 00	67 x 98	21,000	1890
" " 33	Light and Clement	100 x 100		10,000 00	67 x 98	21,000	1890
H. & G. & P. Col. No. 1	Saratoga, near Charles	66 x 193	600 00	16,000 00	52[2] x 126[8]	25,000	1888
" Annex No. 2	Jefferson, near Caroline	83[6] x 80	200 00	1,350 00	32 x 80	5,000	1855
" " " 3	Fremont, near Lombard	74 x 150	In fee.	1,200 00	44 x 65	8,000	1843
Colored No. 2	East, near Lexington	75 x 105	25 00	5,125 00	49 x 80	13,000	1874
" " 3	Howard and Montgomery	50 x 104	160 00	8,000 00	40 x 64	6,000	1872
	Hill, near Sharp	48 x 90	192 00		34 x 50	4,000	1854
" " 5	Caroline, near Bank	76 x 90	134 00	4,800 00	45 x 65	8,000	1867
" " 6	Barre, near Eutaw	65 x 112	300 00		40 x 80	10,000	1854
" " 7	Waesche, near Fremont avenue	143[9] x 120*	480 00		59 x 120	22,000	1877
" " 8	Bond and Chew	80 x 80	130 00		40 x 54	7,000	1864
" " 9	Carrollton and Riggs avenues	97[1] x 157	In fee.	7,000 00	52[4] x 97[5]	19,000	1888
Annex No. 1	Homestead, Gorsuch avenue	42 x 90	"	1,000 00	35 x 50	4,500	....
" " 2	Waverly, York road	100 x 200	"	4,000 00	35[6] x 90	14,500	....
	Rear building				50 x 33		
" " 3	Oak and Fifth	60 x 122	In fee.	4,000 00	50 x 60	10,000	....

TABLE C—Concluded.

Schools.	Location.	Size of Lot.	Amount of Ground Rent.	Amount paid on account of Lot.	Size of Building.	Estimated Value of Building.	Date of Erection.
Annex No. 4.....	Chestnut and Fourth avenues.....	176[8] x 230	.....	5,000 00	55 x 105	21,000	1890
" " 5.....	Hampden, Merryman's lane.....	87 x 240*	In fee.	1,000 00	71 x 24	1,000	....
" " 6.....	Same as No. 4.....	.....	.....	.....	.....	.....	....
" " 7..... ...	Woodberry, on Woodberry avenue	45 x 130	22 50	.....	37 x 96	10,000	....
" " 8.....	Clifton, on Clifton avenue.....	40 x 150	In fee.	2,000 00	40 x 90	4,000	....
" " 9.....	Calverton, Bloomingdale road.....	75 x 169	"	1,500 00	63 x 40	6,500	....
" " 10.....	Carroll, Old Frederick road.....	60 x 225*	00 01	2,000 00	52 x 27	4,500	....
" " 11..	Millington, Frederick road.....	41 x 283*	50 00	1,000 00	24 x 108	1,000	....
" " 13.....	North avenue and Washington....	80 x 150	In fee.	5,000 00	66 x 120	25,000	1891
" " 34.....	Huntingdon avenue, near Charles.	100 x 150	.....	7,000 00	....	18,000	1890
Annex Colored No. 1....	Waverly, Merryman's lane.....	127[5] x 32[6]*	50 00	.....	24[6]x 48	700	....

*Irregular in form. **House built on the rear of lot leased for E. F. H. School.

Total amount paid on account of lots		$ 252,326 75
Total value of buildings, actual or estimated		1,654,400 00
Total amount of ground rents in the above list		30,265 29
Additional ground rents authorized:		
Grammar School No. 18	$ 480 00	
English-German School No. 1	1,147 50	
Annex School No. 10	360 00	
Annex School No. 11	240 00	
		2,227 50
Total amount of ground rents		$32,492 79

TABLE D.

Showing Locations of Rented Buildings, by what Schools Occupied, and Amounts of Rent Payable.

General storage, Hasselberger court	$ 300 00
Grammar No. 6, 1310 Division street	360 00
Male Grammar No. 9, 406 Courtland street	360 00
Male Grammar No 19, 237 W. Biddle st	600 00
Female Grammar No. 9, 411 Courtland st	600 00
Female Grammar No. 19, 1115 Bolton st	480 00
Female Grammar No. 19, 1123 N. Eutaw st	500 00
Female Grammar No. 21, Patterson avenue and Stricker street	480 00
English-German No. 3, 1112 E. Baltimore st.	600 00
Primary No. 6, Canton avenue, near Broadway	300 00
Primary No. 12, 712 Warner street	240 00
Primary No. 19, Eutaw and Biddle streets	450 00
Primary No. 22, 786 Columbia avenue	264 00
Colored No. 4, Biddle street, near Pennsylvania avenue	1,180 00
Colored No. 5, Eastern avenue, near Broadway	264 00
Annex No. 1, Homestead	144 00
" " 5, Hickory ave., near Fourth ave.	350 00
" " 10, Fairview avenue	180 00
" " 12, Lombard st., near Wilkens	600 00
" " 12, Calverton ave. and Lipp's la	360 00
" " 14, Park Heights' avenue	120 00
Annex Colored No. 1, Merryman's lane and York road	108 00
Annex Colored No. 3, Mt. Olivet lane	96 00
Total amount of rents	$8,936 00

SCHEDULE

—OF—

SALARIES OF OFFICERS AND TEACHERS OF PUBLIC SCHOOLS.

GENERAL EXPENSE ROLL.

Superintendent of Public Instruction	$2,500
Assistant Superintendent	2,000
Secretary	2,000
Assistant Secretary	1,500
Superintendent of Supplies	1,800
Librarian	1,200
Superintendents of Music, each	1,500
Teachers of Drawing, each	500
Librarian of Public School Library	900

BALTIMORE CITY COLLEGE.

Principal	$2,400
Professors (not otherwise specified)	2,000
Professor of Writing and Book-keeping, and Secretary to Faculty	2,000
Professor of Drawing	1,800
Professor of History and Political Economy	1,800
Adjunct Professors	1,800
Tutors	1,000

FEMALE HIGH SCHOOLS.

Principals	$2,400
First Assistants	1,008
Second Assistants	900
Teachers of French and Drawing, each	900

MANUAL TRAINING SCHOOL.

The present principal of this school is an officer of the United States Navy, detailed for service at this school, and receives from this Board	$ 500
First Assistant	*1,200
Instructors	*1,200
Assistants	*$600, *$720, *$900, *1,000

MALE GRAMMAR SCHOOLS.

	1st Year.	2d Year.	3d Year.
Principals	$1,296	$1,404	$1,500
First Assistants (male)	804	900	
First Assistants (female)	588	672	
Second Assistants	456	516	
Third Assistants	444	504	

ENGLISH-GERMAN SCHOOLS.

	1st Year.	2d Year.	3d Year.
Principals	$1,296	$1,404	$1,500
Vice-Principals	804	900	1,008
First Assist's (Eng. Fem.)	564	648	
First Assist's (Ger. Male)	600		
Teacher in charge of lowest grade			504

*Subject to the approval of the Mayor and City Council.

Other assistants in grammar grades, same as third assistants in male grammar schools.

Assistants in primary grades, same as assistants in primary schools.

FEMALE GRAMMAR SCHOOLS.

	1st Year.	2d Year.
Principals	$804	$900
First Assistants	564	648
Second Assistants	444	504
Third Assistants	432	480

MALE AND FEMALE PRIMARY SCHOOLS.

	1st Year.	2d Year.	3d Year.
Principals	$600	$696	
Assistants	408	432	$468
Teacher in charge of lowest grade			504

HIGH AND GRAMMAR COLORED SCHOOLS.

The same as male grammar schools.

COLORED PRIMARY SCHOOLS.

	1st Year.	2d Year.	3d Year.
Principals (male)	$804	$900	
Principals (female)	600	696	
First Assistants (male)	700		
Assistants (female)	408	432	$468
Teacher in charge of lowest grade			504

INTERMEDIATE SCHOOLS.

	1st Year.	2d Year.	3d Year.
Principals (males)	$1,200		
Principals (females)	804		
First Assistants	600		
Teacher in charge of lowest grade	444	$468	$504

Other assistants in grammar grades, same as third assistants in female grammar schools.

Assistants in primary grades, same as assistants in primary schools.

UNCLASSIFIED SCHOOLS.

Composed of Primary and Grammar Scholars, and not otherwise designated.

	1st Year.	2d Year.	3d Year.
Principals	$696	$780	$900
First Assistants	504	552	600

SATURDAY NORMAL CLASS.

Principal	$200
Assistants	150

EVENING SCHOOLS.

Principals, $2.50 per night for actual service.
Assistants, $1.50 per night for actual service.

The Schedule of Salaries to be subject to the following conditions:

All below the grade of second assistant in male and female grammar schools to be graded as third assistants, the Board of School Commissioners to determine at the annual election the grade of each assistant; in case of failure to do so, the senior assistant to grade highest in all cases.

In male and female grammar schools not employing three assistants, the lowest assistant shall rank as third assistant, and so continue until there are three assistants employed in that school, excepting the first assistant, who shall in all cases rank as first assistant.

Teachers who may have served for *two full* years in any of the public schools of Baltimore, upon promotion to grammar schools shall be entitled to the second year's salary of the grade to which they may be assigned, excepting that of principal.

Teachers elected during the month of September shall receive the full salary for the months of July and August of the succeeding year; those elected in October shall receive nine-tenths of said salary; in November, eight-tenths, and so on to the close of the scholastic term.

Any teacher who shall have served the usual probationary period of ninety days before the close of the scholastic year, and who shall be elected at the annual

election, shall receive her proper proportion of salary for July and August.

When transfers are made from one school or position to another, the teacher transferred shall draw the salary of the position from which he or she has been transferred till the end of the month in which the transfer shall be made.

SALARIES OF JANITORS, JANITRESSES AND FIREMEN.

Janitor and Fireman of Baltimore City College	$1,000
Assistant Fireman of Baltimore City College	500
Janitor of Manual Training School	720
Fireman of Manual Training School	720
Janitor of Manual Training School, new bldg	720
Firemen of Female High Schools, each	400
Janitresses of Female High Schools, each	300

Fireman and Engineer of No. 3 English-German School, $40 per month. For large furnaces in schools having the Smead system, $10 each per month, and for all furnaces in other schools, $5 each per month.

Janitresses of schools having three class-rooms shall receive $9.00 per month; four class-rooms, $10.00 per month; five class-rooms, $11.00 per month; six class-rooms, $11.50 per month; and increase fifty cents per month for each additional class-room.

They shall receive additional compensation for making fires in stoves from October to April inclusive, at

the rate of 50 cents per month for each stove on the first floor, and 75 cents for each stove on the second and third floors. The salaries of janitresses of schools containing more than twelve class-rooms, and of janitresses of buildings used as branches of schools shall be fixed by the President and Secretary subject to the approval of the Board.

Janitresses of Evening Schools, $5 per month.

REPORT.

OF THE

Superintendent of Public Instruction.

BALTIMORE, January 1st, 1892.

To the Honorable the Mayor and City Council,
and the Board of Commissioners of
Public Schools of Baltimore City.

GENTLEMEN:

The following report of the condition and statistics of the schools for the year ending December 31st, 1891, is submitted for your consideration.

SUMMARY OF STATISTICS.

Population of Baltimore—white 384,394, colored 71,033 (U. S. census 1890)	455,427
Enumeration, school census 1888	110,731
School age	6–21
Basis of taxation	$307,727,738
School tax—City 23, State 10	33 mills.
Number of pupils in school during the year	66,836

Increase	1,078	
Number of pupils on roll December 31st, 1891		52,543
Increase	1,644	
Number of teachers December 31st, 1891		1,301
Increase	57	
Number of schools		148
Increase	1	
Percentage of attendance on enrollment		86
Increase	1 per ct.	

HIGH SCHOOLS.

Number of pupils on roll December 31st, 1891		1,323
Increase	64	
Percentage of attendance		93
Same as last year.		
Number of pupils to a teacher on enrollment		35
Increase	2	
Number of pupils to a teacher on average attendance		31
Increase	3	

MANUAL TRAINING SCHOOL.

Number of pupils on roll December 31st, 1891		370
Decrease	58	

Percentage of attendance		90
Increase	6 per ct.	
Number of pupils to a teacher on enrollment		25
Decrease	6	
Number of pupils to a teacher on average attendance		23
Decrease	4	

GRAMMAR SCHOOLS.

Number of pupils on roll December 31st, 1891		12,558
Increase	296	
Percentage of attendance		88
Increase	1 per ct.	
Number of pupils to a teacher on enrollment		40
Increase	2	
Number of pupils to a teacher on average attendance		35
Increase	2	

ENGLISH-GERMAN SCHOOLS.

Number of pupils on roll December 31st, 1891		5,286
Increase	164	
Percentage of attendance		90
Increase	1 per ct.	
Number of pupils to a teacher on enrollment		41

Decrease	1	
Number of pupils to a teacher on average attendance		37
Increase	1	

PRIMARY SCHOOLS.

Number of pupils on roll December 31st, 1891		20,204
Increase	466	
Percentage of attendance		84
Same as last year.		
Number of pupils to a teacher on enrollment		42
Decrease	2	
Number of pupils to a teacher on average attendance		35
Decrease	2	

COLORED SCHOOLS.

Number of pupils on roll December 31st, 1891		7,079
Increase	311	
Percentage of attendance		80
Increase	2 per ct.	
Number of pupils to a teacher on enrollment		41
Decrease	1	
Number of pupils to a teacher on average attendance		33
Same as last year.		

ANNEX SCHOOLS.

Number of pupils on roll December 31st, 1891		5,723
Increase	521	
Percentage of attendance		81
Increase	1 per ct.	
Number of pupils to a teacher on enrollment		46
Increase	1	
Number of pupils to a teacher on average attendance		37

Same as last year.

ACCOMMODATIONS.

During the past year there have been built for the accommodation of the pupils of the schools named: five additional rooms for Annex School No. 2, six rooms for No. 17 Grammar School, four for No. 7 Grammar School, eight for English-German School No. 4, a second story containing eight class-rooms for No. 16 Grammar School, and a new building of fourteen rooms for the use of Annex School No. 13. This additional space gives the pupils of the schools named ample accommodations, and the buildings in the course of erection, or shortly to be commenced, for No. 19 Grammar and Primary, No. 18 Grammar, English-German School No. 1, Annex School No. 10, Annex School No. 11, and Colored School No. 3, will, it is thought, be sufficient to give these schools all the space they will need for some time to come.

Attention is called to the accommodations of the following schools:

Baltimore City College. Two of the class-rooms located on the lower floor of the building are very badly lighted, requiring the use of gas during the entire session of the school. This is not only injurious to the eyes of the students, but interferes seriously with their instruction. The rooms occupied by the instructors of chemistry and physics are too small, and they are very badly ventilated. It is necessary that an addition should be made to the building that would furnish the necessary facilities.

Western Female High School. The building occupied by the school, on account of the increase in the number of pupils, has not for some time afforded enough room. It is not only too small, and the site objectionable for the location of the school, but the ventilation is very defective, and buildings erected near it have shut out the light to such an extent as to render some of the class rooms unfit for use. There are thirteen teachers required to instruct the classes, while only twelve class-rooms are provided for their use, four of which are in reality passage-ways, which must be used on account of the lack of suitable rooms. This condition of affairs has existed for a long time, and unless these defects can in some way be remedied, another location should be selected, and a suitable building erected for the use of the school.

No. 6 Grammar School is overcrowded in the main building still, while some of its classes are taught in a rented house across the street. This state of affairs has existed for some time and has greatly impaired the successful operation of the school. It is very important to supply the school with the necessary accommodations. This section of the city is not adequately supplied with space to meet the wants of the number of children residing in it. No. 6, No. 21, and Annex No. 8, in the northwestern section of the city, are overcrowded also, and the solution of the difficulty to a great extent lies, it seems to me, in establishing another grammar school somewhere to the northwest of Grammar School No. 6.

No. 9 Grammar and Primary Schools have been located in rented buildings on Courtland street, since the building they formerly occupied was taken for the use of the Manual Training School. The buildings they now occupy, built for dwelling houses, are not suitable for school purposes.

No. 10 Grammar School. The female department of this school needs additional space for the accommodation of its classes. Two classes, containing a sufficient number of pupils to make three, have to be taught in two rooms by three teachers. Good work can not be done under such unfavorable conditions. Teachers and pupils are not only subjected to serious inconveniences, but their health is impaired by the lack of an adequate amount of pure air. There is room for some of the

pupils of this school at No. 4 Grammar School, not far away, and it is suggested that in the promotion of pupils from the primary schools, and admitting them from other sources, that those living sufficiently near should be sent to No. 4 instead of No. 10.

No. 15 Grammar School. The alterations made in the old building have added greatly to the comfort and convenience of the school, and while the two houses afford sufficient room for the pupils now in attendance, yet, as this school has been continually growing, and in all probability will continue to do so, it is recommended to run the line, separating the districts of the two Schools (No. 1 and No. 15) considerably nearer to No. 15 Grammar School, in order to increase the district of No. 1, so as to utilize the vacant class-rooms in the two buildings occupied by Grammar School No. 1, and at the same time to prevent the overcrowding of No. 15.

No. 20 Grammar School. The building does not contain sufficient space to accommodate the children belonging to the school, and four classes have to be instructed in the rooms of No. 20 Primary. As No. 20 Primary will in the near future need these rooms, it is necessary to build an addition to No. 20 Grammar School, consisting of eight rooms, four for each department.

No. 21 Grammar School is overcrowded, while it is necessary to rent rooms in a private house, some dis-

tance from the main building, for the accommodation of four classes of the school. The new building in the course of erection for the use of No. 18 Grammar School, will doubtless remedy the difficulty at this point to some extent, but, in my opinion, it would be well to put in condition for use as class-rooms the lower story of No. 21, which the Inspector of Buildings says can be arranged into six good class-rooms.

Colored Schools No. 4, No. 9, and No. 7, are overcrowded, as mentioned in other reports, but as the buildings now used by English-German School No. 1, and Grammar School No. 18 will, in a short time, be occupied by colored pupils, it is thought that the overcrowded condition of Colored Schools No. 9, No. 4 and No. 7, will be materially if not entirely changed.

Annex School No. 1 needs, or will need in a short time, an addition capable of supplying the school with four class-rooms. Two classes are taught in a private house situated a short distance from the main building.

Annex School No. 7 requires another class-room, it being necessary for two teachers with their classes to occupy one of the rooms.

Annex School No. 8 is overcrowded, it being necessary, in two instances, to teach two classes in one room. Of course, good work can not be done under such unfavorable circumstances. This section is growing, and it is important that this matter should receive prompt consideration.

Annex School No. 9 needs an addition, which would give four additional class-rooms. Six teachers instruct their classes here in four rooms.

Annex School No. 12 is kept in the basement of a church and in an adjoining building formerly used by the parish school. The number of class-rooms is not sufficient for the school, and many of them are too small, besides being badly lighted and ventilated. During the year the committee in charge of the school found it necessary to rent a house in the neighborhood. It is necessary to erect a building for the use of this school.

Our new buildings are faulty in many essential particulars. The rooms are generally too small to afford sufficient space for the desks and to give the scholars and teachers space enough to move about the room outside of the desks. The rooms are about twenty-six by twenty-one feet, some only about twenty-two by twenty-one, while they should be about twenty-five by thirty in order to give each pupil fifteen feet of floor space. The necessary means are not used to deaden the sound between the floors, and in consequence the noise in the rooms on the first floor, due to the moving about of the classes in the rooms above, is very annoying and detrimental to the instruction. This defect exists in the new buildings especially, and some of the old buildings also have been rendered defective in this respect, by putting wooden ceilings in place of the plaster ceilings, without making provision for deadening the sound. It

is very desirable to arrange the partitions separating the class-rooms so that a sufficient number of rooms may be thrown into one for an assembling room. An assembling room is a most useful adjunct to a school, to allow the classes to be together: during the opening exercises, when exercises are held on the Twenty-second of February, and on Arbor Day, and, generally, when declamations and recitations are made and compositions read, as well as on various other occasions, when the school may be profitably assembled. They serve to unify a school and put it more completely under the direction and oversight of the principal. It is too expensive to provide a room in every building solely for this purpose, so that it is very desirable and helpful to the instruction and discipline to have an arrangement of this kind by which several class-rooms may be converted into an assembling room.

The Course of Study for Girls.

In the Annex schools and in the English-German schools, in both of which boys and girls are taught together, the girls pursue, as successfully as the boys, the male grammar course of study, which embraces more than is taught in the female grammar schools. This gives the girls attending the Annex and English-German schools an advantage over the girls pursuing the course arranged for the female grammar schools. If the male grammar school course of study can be accomplished by the girls taught in classes with boys, there can certainly be no reason why those re-

ceiving instruction in the female grammar schools should not be able to do the same amount of work. It would not overtax them, and the additional preparation they would get, especially in mathematics, would fit them more thoroughly for beginning the high school course of study.

Why there should be any difference between the requirements for males and females in the courses of study of the grammar and high schools, it is impossible to suggest any reason. The existing arrangement is an inheritance handed down to us by our predecessors, but the reason for its existence, so far as I am aware, is acknowledged in no other community.

Upon comparing the course of study pursued in the female high schools, in which many of the teachers of our schools are educated, with the course provided for the young men in the college, it is at once apparent that the young ladies do not have advantages equivalent to those furnished the young men. In addition to what is taught in the high schools, the students attending the college have instruction in Latin, Greek, a much more advanced course in mathematics, and greater facilities for experimenting in chemistry and physics. Up to the time the boys and girls enter these schools there is only the slight difference that has been referred to, but after entering the high schools and the college, the boys are provided with many more facilities for instruction, and a much more comprehensive course of study. In view of the fact that many of the gradu-

ates of the high schools become teachers in our schools, it is manifestly in the interests of the system to give the young ladies every facility necessary for their improvement. Some persons are averse to the study of the ancient languages, yet the great weight of authority is strongly in their favor, and our high schools would turn out much stronger teachers, both as to training and information, were the course of study pursued in them as liberal as that of the college. Many of the students of the college have no difficulty in passing the examinations for entering the Johns Hopkins University, while the graduates of the high schools, though well prepared, so far as the course in these schools extends, can be matriculated, only upon conditions, at the Woman's College. They are thus handicapped at the beginning in the prosecution of their work in the college, by having to make up some of the requirements for entrance. By making some of the studies referred to elective, they might be advantageously introduced into the high school course without increasing the demands upon the efforts of the pupils, or adding materially to the cost of instruction. Considering the importance, both to themselves and to the school system, of educating these young ladies in the most thorough manner, it is wise foresight, inasmuch as many of the graduates become teachers, to afford them the best and most ample opportunities for improvement. And in consideration of this liberality on the part of the city in providing such liberal opportunities for education, the Board should demand high

qualifications of those who are selected to teach in the schools. Those imperfectly educated have no right to expect employment as teachers, when they neglected, or were unable to avail themselves of the opportunities the schools offer for fitting them for instructing others. It is too frequently the case, in the selection of teachers, that the best graduates of the schools are overlooked for those who have more influential friends, but who have inferior educational qualifications. In the interests of the children taught in the schools, and that of the community, whose civilization and happiness, in so large a measure, depends upon the success of public education, every appointee should be the best on the list of eligible applicants, and ward limits, or other considerations, should have nothing to do with their selection. All persons would then have an equal chance to secure appointments, and no one could complain when selections were based on merit alone.

Attendance and Discipline.

These two subjects are mentioned under the same head, as they are intimately connected. Anyone acquainted with what takes place in the schools at the beginning of the school year in September cannot fail to be convinced that pupils are too frequently permitted, under the operation of the existing rules, or practice, for the rules do not contemplate such action, to go from one school to another, when, for their own good and that of the system, they should not be allowed to do so. Dissatisfaction on the part of such pupils,

and the desire to leave their own school to go to another, is in most cases due to the fact that, on account of inattention to duty, absence without cause, misconduct, or lack of the necessary effort to keep up with the pupils of their class, they do not stand as high as they desire, and hope to be able to find a school in which they may continue to neglect their duty and at the same time to keep up with their classes. Of course the hope is vain, and on their own account such pupils should not be allowed to wander from school to school, and lose the opportunity of acquiring an education. The discipline of the system is impaired by such practices, in addition to the injury done the pupils themselves. Pupils are frequently transferred from the English schools to the English-German schools, and *vice versa*, in the majority of cases for the most whimsical reasons on the part of parents and pupils. Frequently pupils go from the English to the German schools, and have to be put into one grade in English and another grade in German. Most of the German schools are overcrowded, and have on their rolls pupils whose best interests and that of the schools would require that they should be in some of the half-filled English schools located near the English-German schools. Better discipline and a more economical use of the school-room space provided, demand that this should be changed. Pupils entering the English-German schools should, in general, be required to enter the lowest grade, unless they are qualified to pursue the work, both in English and German, of one grade,

and transfers from English to English-German schools, except under peculiar circumstances, should not be allowed. How can the space necessary for the pupils of a certain neighborhood be intelligently and economically provided except on the basis of school population? And if, after the necessary accommodations have been provided, the pupils are permitted to attend schools away from their district, must not the result necessarily be unoccupied space in their own neighborhood and overcrowded buildings in others? It is very essential to the best interests of the school system that accommodations proportionate to the requirements of the school population of each neighborhood be supplied, and that only the children of this neighborhood be allowed to use such schools. Instances may be cited of overcrowded schools located but a short distance from others with vacant rooms and not enough pupils to fill the others. It is our duty to provide each vicinage of the city ample accommodations for the education of the children living in it, and to equip them with good teachers and everything else needed for instruction, and it is our duty also to see that such accommodations are used by those for whom they were intended, and not by others who have space provided for them in their own district, and wish to take that belonging to others.

The Grammar School Course of Study.

An arrangement which would require more attention to be given in all the grades to the subjects of history and reading is desirable. The same reader, by the di-

rection of the Board, must be used in two grades in one or two instances. Newell's third reader is used as a supplementary reader in the third grade, and also as the regular reader in the fourth grade. Newell's fourth reader is used as the regular reader in both the fifth and sixth grades. It is very desirable in order to improve the teaching of this most important subject to use a different reader in each grade of the schools. The bad tendency with some teachers of reading hurriedly and superficially, so as merely to amuse the children, would certainly not be promoted by using a different book in each grade for so long a period as one year. It is recommended that Newell's fourth reader be used as the regular reader in the fourth grade, the Peabody fourth in the fifth grade, the fifth reader of the Educational Series in the sixth grade, Newell's fifth reader in the seventh grade, and Newell's sixth reader in the eighth grade, one book to be provided for each pupil, and that the other books of these series be continued on the list for use as supplementary readers to be ordered in the proportion of one book to four pupils. In view of the importance of teaching this subject well in all the grades it is necessary that this matter should receive careful consideration. Improvement in teaching reading is being made in the schools, generally, but the lax manner in which the examinations are conducted in many instances, the lack of management on the part of some principals in providing the necessary books for giving the instruction, and, in a great degree, the lack of economy of

time on the part of some teachers, who considering reading not very important, fail to devote the necessary attention and time to this branch of instruction, leaves a great deal in the way of improvement to be accomplished. It is hoped that the efforts being made to remedy this will result in improving the reading.

Young children, those in the primary grades, should have their attention directed to suitable historical facts. Begun in the lower grades, orally, this subject in connection with geography, should receive attention all along through the grades, so as to create interest in this branch of study, and by degress to get the pupils to acquire many of the salient facts of the history of their own State, of the United States, and of the world. This is desirable not only because it is important for everyone to have some knowledge of history, but it really interests the children most profitably, leads them to inquiry and reading for information, and greatly enriches the course of study. Elementary science work should be pursued on a parallel plan, to a more limited extent as to time, through all the grades, to cultivate habits of observation and thought, and its expression in oral and written language. The reason why some teachers "can not find time for such work" is because they fail to economize their time, and will not learn to use any method of teaching but that of getting their scholars to learn by heart what the book says, and to repeat it to the teacher, who, book-in-hand, insists upon their being able to say word for word what is in the book. Indifference of pupils and the want of the

necessary co-operation and interest on the part of some parents in the work of the schools, is due in a large degree to bad methods of teaching. A serious obstacle in the way of successfully accomplishing the work of the schools as it was re-arranged when the change was made from six half-year grades to five grades, each requiring one year for its accomplishment, is that some of the teachers called upon to teach the upper grades came into the schools unprepared scholastically for such work, and they have never improved themselves up to the point of knowing thoroughly the new work they are called upon to teach. Some of the teachers in charge of these grades were certificated to teach without giving evidence to the Board that they possessed scholastic attainments beyond the ability to spell fifteen out of twenty words, to work four of six examples in the *elements* of arithmetic, to answer four of six questions in the *elements* of geography, and to parse four words out of six. No evidence in many instances has been given that they possess the requisite knowledge to teach the work of their grade, and in some instances they do not possess it. It is by no means claimed that scholastic attainments of themselves make a good teacher, or that other qualifications are not quite as essential, but it is claimed that no teacher can be successful who does not possess the requisite scholastic qualifications, and that failures on the part of teachers are more attributable to the lack of such attainments than to any other cause. Many teachers, who, when commencing their work in the

schools, were defective in education, have studied up and are frequently found to be among the best in the schools, but unfortunately for themselves and those they have been called upon to teach, others have not done so, and in consequence do not measure up to the full standard of successful teachers.

A School for the Training of Teachers.

After the devastation of Prussia by the numerous wars in which she had been engaged, her statesmen undertook the work of building up the State, and with intelligent foresight they recognized that the most potent factor in the accomplishment of their purpose was the establishment of good schools. To this end they undertook the task of organizing her system of education, and the successful accomplishment of the undertaking is testified by the fact that to-day Prussia has the best system for the education of her people in the world. There are doubtless as good schools in other countries as in Prussia, but in respect to the successful organization of a system of education, reaching all the people in the land, and successfully, through the dissemination of intelligence and the cultivation of good habits, eliminating from her midst, in a very large degree, the ignorant, lazy, vicious, and demoralizing class found in the large cities of most countries, and in the production of a class of citizens competent to deal intelligently with all the problems concerning their own interests and those of the state—whether of politics, manufacturing, trade, sociology, etc.—Ger-

many, for all the states of the German Empire have shaped their course after Prussia, has developed the best system of schools to be found in the world, and that after which the systems of other countries might be advantageously modeled. In studying the history of educational progress in Prussia, what do we find to be the invigorating element that has enabled her schools to possess such potent influence in building up the civilization and material interests of that country? Those who undertook the organization of the school system recognized the fact that *the teachers make the schools*, and with wise foresight they addressed themselves to the task of providing normal or training schools for the education of teachers.

"It is well understood that the professional training of teachers in Prussia is the foundation of the strength of the people's schools. The earliest attempt on the part of the State at improving the schools was directed to establishing normal schools for the professional training of teachers. While in this country and in England the idea seems to prevail widely that normal school preparation is not absolutely necessary for teaching, in Prussia it is considered the first and foremost need that the teachers be theoretically and practically taught how to teach."

The government recognizes teaching as a profession, and everything necessary is done to prepare the teacher for his work and to honor and sustain him in its performance.

After the teacher has successfully undergone the tests required to give evidence of his competency, he can settle down permanently to his work, as his position is not endangered by "political rotation" or other causes, except his own errors—such as gross neglect of duty, etc. Besides, he receives a pension after a certain number of years of service.

The success of the schools of Prussia, and the means by which this success has been attained, must suggest to anyone that the way to improve a school system, and to bring it up to a high state of efficiency and usefulness, is to train thoroughly its teaching force. The means for doing this in Baltimore, are at hand on every side, and why should there be any hesitancy about using them? The college and high schools turn out annually material excellently prepared to enter a normal school, and in two or three years to become well fitted to give instruction to the children in the schools. Some persons say this requires too long a time for the preparation of teachers—twelve years in the primary, grammar and high schools, and say two more years in the training school, would make persons, entering the schools at six years of age, twenty before they would be prepared to go to work to earn a living. The time may be too long for some who wish to be employed as teachers, but it is not too long for our citizens who want none but well qualified teachers to instruct their children. It is most important in legislating for the schools that no interests should be of weight or receive consideration, but those which concern the betterment of the schools.

There can be no doubt that the best interests of our system require us to establish a school for the training of those who are to be teachers. Besides providing a plan for securing the services of teachers skilled in the theory and practice of teaching, a school of this kind would furnish a much more desirable method of appointing teachers than the one in vogue at this time. Those entering the training school should be required to pass a competitive examination, embracing the branches taught in the primary, grammar and high schools, followed by a rigid examination preceding graduation. The city incurs a large expenditure of money annually to afford the opportunity to those possessing the requisite ability to fully prepare themselves from a literary point of view to undertake the work of teaching, and in selecting those whom it is proposed to educate further in the theory and practice of teaching, in a training school, no plan is fair, either to applicants or the important interests of the school system involved, but the one which selects the very best of those who are applicants for admission. It should be understood that this school is organized, not only for the purpose of qualifying suitable persons to teach, but that one of its most important functions is to exclude those who, while possessing the requisite scholastic qualifications, have no aptitude for teaching.

It should be guaranteed to the students of the training school that its graduates shall be entitled to fill vacancies as they occur in the schools, and that until they receive appointments as regular teachers, they

shall constitute the corps of substitute teachers. At this time there is a large number of names upon the list of persons eligible to teach, and as the commissioners are men of business, it may be seen to what annoyance and inconvenience they are continually subjected by the large number of importunate place-hunters. Applicants insist, too, that influence, not merit, secures places, and in consequence not only they themselves but their relatives and friends are enlisted to urge their appointment.

This plan of preparing and selecting teachers would not only relieve the commissioners from a great deal of annoyance, but it would also greatly promote the efficiency of the school system by appointing none to positions but those who were well qualified for the work, and if the plan were properly digested and brought into successful operation it would mean that when fifty children in our schools need a teacher, they will be put under the care of one who is well instructed in the branches of learning to be taught, who is also skilled in the theory of education, and who in a school of practice has given evidence that she has aptitude for school work and has acquired efficiency in the management and instruction of children.

There is room for the accommodation of a school of this kind in either of the centrally located buildings on the corner of Greene and Fayette streets, and the primary and grammar school classes taught in these buildings would afford ample opportunity for practice.

The salaries of the teachers, together with the cost of fitting up the room and providing books, would constitute the entire expense of establishing the school. The good derived from a training school would not be confined to the schools in which its graduates taught, for its beneficial influence would be communicated to other teachers, and would be gradually diffused throughout the system. It is earnestly hoped that a school of this kind may be speedily organized upon the most serviceable basis for increasing the usefulness of the schools of the city. The cost of establishing and maintaining it will be amply justified by the increased efficiency secured to the schools by providing this method of selecting as teachers only those who are well qualified in all respects for the work of instruction.

A plan that will provide the schools with the best teachers that can be secured for the instruction of the children attending them, ought surely to meet with the hearty approval and support of every one who is interested in the cause of popular education.

Sewing.

The following report and resolutions recommended for adoption by the Committee on Grammar Schools, to whom was referred a request of many citizens of Baltimore that instruction in sewing might be introduced into the schools, should meet with favorable consideration, and it is hoped that such steps may be taken as will speedily result in accomplishing what the committee recommends:

"The Committee on Grammar Schools beg leave to report that, in compliance with the request of the Board, they have carefully considered the question of introducing instruction in sewing into the grammar grades in which girls are taught, and that they are unanimously of the opinion that the teaching of sewing in these grades will be of great advantage to the pupils and add materially to the efficiency of the public school system.

"The same arguments that are used to show the necessity for giving the boys attending our schools instruction in manual training, apply as well for the introduction of sewing into the schools attended by the girls.

"As the time taken for such instruction would otherwise be given to the literary work, many persons are under the impression that, in consequence, the proficiency of the pupils in their literary studies would be lessened; but it is held by those whose experience enables them to judge of the effects of manual training upon the other work pursued in the schools that such is not the case. Wherever the experiment has been tried, under proper conditions, it has been found that better results in *all the work* of the schools have been secured after manual instruction had been introduced. Parents and children become more interested in the school, the scholars attend with more regularity, and the increased earnestness of the pupils and the reality of the work greatly promote the efficiency of the schools in every direction.

"No one can doubt also that, if one of the main objects of such a system is to fit those who receive its benefits to discharge well the varied duties of life, systematic instruction in needle-work will prove of material assistance to the girls of our schools, when, after their school days are ended, they must meet their responsibilities as women. It is undoubtedly true, so far as the majority of the girls in our schools are concerned, that, either through the incompetence or neglect of their parents, little if any instruction is given them in an art in which instruction is as necessary to efficient work as in any other. Unless such instruction is made part of the public school system, the majority of the girls who attend our schools will grow up in ignorance of that, which if known will not only add to their accomplishments as young ladies, but will enhance their value as wives, and in many cases prove a means of subsistence to them when compelled, as many of them will be in after life, to depend upon their needles for their support.

"The great advantage to a woman of a knowledge of needle-work is not the strongest plea that may be urged for the introduction of sewing into the schools; but for all manual work done in connection with literary, the claim is that it dignifies labor, and gives to schools a reality and practical character which serves a most important purpose in increasing their usefulness and efficiency.

"The committee learn that instruction in sewing has been successfully given in the public schools of other

cities, and they do not hesitate, especially in view of the comparatively small expense, to recommend its introduction into our schools.

"The committee are of the opinion that special teachers should be employed to give this instruction, because many of the regular teachers are not competent, and because the additional work would be more than could be reasonably demanded of them.

"In order to give the girls of the grammar grades—in the Female Grammar, English-German, Annex and Colored Schools—one hour's instruction a week, not less than ten teachers must be employed. This will make 49 schools, numbering about 8,600 pupils, which, as near as can be estimated, will require 180 hours of teaching a week. Counting 4½ hours to a school day, ten teachers could in a week give instruction for 225 hours, while the number of hours of teaching necessary is only about 180; but the teachers who visit some of the schools situated at long distances from each other, most of which also have few grammar grade pupils, (as in the Annex and Colored Schools,) will be unable, on account of the long distances they have to walk, to give more than three lessons a day, while others not situated thus will be able to give four lessons a day.

"The teachers employed should be expert and accomplished needle-women, capable of imparting instruction, able to command the respect of their pupils, and possessed of sufficient scholastic attainments to speak

correctly, to write grammatically upon the black-board instructions for the work, and to delineate by drawings thereon, when necessary, garments or portions of garments to be sewed. They should also be capable of devising a plan or method by which instruction is to be given. It is obvious that if the instruction is to be efficient and a satisfactory return is to be received for the outlay made, great care must be exercised in the selection of the teachers. The very fact that the members of the Board, or of a standing committee having especial charge of the matter, have no practical knowledge in reference to it, shows that success must almost wholly depend upon the capability, intelligence and faithfulness of those we may select to take charge of the work.

"The following regulations for the department of sewing in the public schools of Boston, with whatever modifications or additions considered necessary, might be adopted, in the beginning, for the regulation of this department in our schools:

"1. One hour a week shall be given for instruction in sewing. This time should not be shortened for other studies, or examinations, or any other purpose, without the consent of the Committee on Sewing especially obtained.

"2. Each scholar shall be requested to bring work from home prepared, as far as possible. But, in any case where it is not so provided, the sewing teacher

will be expected to have work on hand, that there will be no excuse for an unoccupied hour, and that time may not be wasted in sending home for work.

"3. A sufficient supply of needles, thread and thimbles shall be kept on hand by the sewing teacher, to furnish any child who is without them, from carelessness or inability to supply them, or who has not the proper needle or thread for the work.

"4. The sewing teacher is requested to make all preparation and fitting of work out of school, that she may give the whole of the hour to the oversight of the work. Any fitting that requires time should be laid aside, to be attended to out of the hour, and other work supplied in its place.

"5. Every effort should be made to vary the instruction, that every girl may learn thoroughly the varieties of work. If she has learned one kind of work, the sewing teacher is requested to furnish her with some other variety, that she may be made efficient in all kinds of work. In this way patchwork should be discouraged after a scholar has learned thoroughly what can be learned from it. Every effort should be made for promotion in work, from plain sewing, through the darning of stockings, to nice stitching and button-holes, from the simpler to the more difficult, in order to give an interest and a desire for perfection in such work. It is a good plan to keep pieces of cloth for practice in making button-holes, stitching, or any other special

work, which can be given wherever there is want of work, or if other work has been completed in the course of the hour, or to carry out the idea of promotion.

"6. The sewing teacher may find assistance from any charitable society with which she is connected, which would willingly furnish garments prepared and fitted, to be returned to the society when completed. Or she can suggest to any scholar who has not provided material for her work, that she may show to her mother the garment she has finished at school and offer it to her for the price of the material. Many a mother would like to buy such a garment, for its use, or for a specimen of work, if it is well done.

"7. The regular teacher of the class is expected to take entire charge of the discipline of the class, as she is more thoroughly acquainted with her scholars; also to see that the work is distributed promptly at the beginning of the hour, either by herself or through monitors, and to assist in keeping each scholar diligently occupied through the sewing hour. It is recommended that she should give credits, or marks, for efficiency and inefficiency in sewing, in the same manner and according to the methods pursued in other lessons in her class. In the mixed schools, when girls are taken from one or more classes to form one division, the boys of these classes can be put under one teacher, while the other takes charge of the class in sewing, and these teachers can alternate in their duties.

"The committee recommend the adoption of the accompanying resolutions.

"Respectfully submitted,

W. H. B. Fusselbaugh, of J. M. Sheehan,
J. S. Barnes,
Alcaeus Hooper,
Henry Allnutt.

"*Resolved*, That application be made to the Mayor and City Council to appropriate the sum of six thousand dollars to enable the Board to employ ten special teachers, at an annual salary of five hundred dollars each, the directress to receive six hundred dollars, and to defray the other expenses necessary to give the girls taught in the grammar grades of the schools instruction, for one hour a week, in sewing.

"*Resolved further*, That the Committee on Grammar Schools be also the permanent Committee on Sewing, and that the President of the Board and the Superintendent be added to the committee."

Music.

In regard to the instruction and the condition of the schools in this branch of study, the Superintendents of Music furnish the following statements:

Professor Deems reports as follows :

The condition of music in our schools is very good, the teachers seeming to be interested in their work, and the children gladly imbibing their instruction. On several occasions persons who were quite conversant with the heavenly art have visited the Eastern Female High School, and after hearing the young ladies sing choruses in one, two, three and four parts, by classes, have not hesitated to express their gratification, and that the music in our schools is not surpassed by that in any other schools in other cities.

In the lowest classes the ear is trained by some rote-singing, but they soon learn to sing by note.

The majority of our choir singers, and singers in the Baltimore Oratorio Society, owe their knowledge to public school training.

Professor Wehage says:

In compliance with your request, I note the following:

The study of music, i. e., singing by note, is receiving the required attention as prescribed in the schedule. The new music reader introduced in the female high schools for supplementary work has been very favorably received by the young ladies, and I have no doubt that the blank music books now being supplied to the grammar and primary schools, as suggested by the Chairman of the Committee on Music, will be quite an incentive to the teachers for renewed efforts in this ennobling art.

The Certification and Promotion of Teachers.

The rules regulating the promotion of teachers, recently adopted by the Board, should be repealed, as they failed to base promotions on such qualifications and claims as will promote the welfare of the schools, or do justice to many of our most successful and deserv-

ing teachers. By the operation of these rules, persons may be selected to teach branches which they have given the Board no evidence that they understood themselves. Under the old rules of the Board teachers were certificated according to the degree of the difficulty of the examination they passed, as: second assistant of a primary or a grammar school, principal of a colored school, first assistant of a female grammar school, first assistant of a male grammar school, principal of a female grammar school, and principal of a male grammar school. Under the operation of this system many teachers came forward voluntarily to give evidence to the Board that they were qualified to be promoted, and many of these secured higher places and are at this time numbered among the best teachers in the schools.

According to the rules regulating promotions as they stand now, all teachers who have served for ten years are declared to be eligible, if selected for promotion, to any position in a primary or a grammar school; those who pass the semi-annual examinations of applicants for certificates to teach are declared eligible for ten years to any position in a primary or a grammar school; and the graduates of the College, the High Schools, and the State Normal School, who obtain the requisite average, are made eligible to any position in a primary or grammar school. It is easy to see how the operation of these rules make many persons eligible to positions for which they are totally unfitted, either from the lack of experience or a knowledge of

the branches they would be called upon to teach, and at times on both accounts. It is recommended, in this connection, that after securing the lowest place in the primary or the grammar schools by one of the means now in vogue, that is, by examination or graduation with the requisite average, that further claim to eligibility for promotion to higher positions be based on passing suitable examinations arranged for each position. I am quite sure that such a method of fixing the degree of eligibility of teachers would not only stimulate the teaching force to study, secure better promoted teachers, and greatly improve the school system, but also, that its adoption would be highly gratifying to a large number of our best and most experienced teachers, who would thus be enabled to see that there is an equal chance for all, and that eligibility, at least, is based, as it should be, on merit alone. After this was done promotions would almost regulate themselves, as little mistake could be made in selecting for promotion any one from the list of those who had shown the Board, by passing the requisite examination, that she was qualified to fill the position. The stimulus for study this system would give the teaching force is acknowledged to be a necessary and most important means of keeping up its tone and efficiency. No officer in the army or navy, or employé in the civil service, can be promoted from a lower to a higher position without showing by an examination that he has, by study and attention to duty, made himself competent to be promoted to the next

higher grade. There is coming into vogue, more and more, another way of getting names on the list of eligibles; that is, by suspending the rules of the Board and declaring by vote that a certain person's name is placed upon the list of eligibles. Of course, when such resolutions are offered, it is not pleasant for gentlemen to vote in the negative, especially as in most cases the applicants are ladies; but fairness to other applicants, and the highest interests of the school system and the community, demand that all applicants shall become eligible, for entrance into the schools and for promotion, in accordance with certain discriminative requirements tested by suitable examinations, and that in securing a place upon the list of eligibles, fairness, to say the least, demands that what is required of one person shall be required of all, and what is granted to one shall be granted to all.

The rules passed in April, 1887, making those eligible who graduated from the College, High, and State Normal School with the requisite average, and those who passed the examinations, eligible for ten years, were regarded as a step in advance, and as increasing the requirements of persons declared eligible to teach, but the amendments to the rules, made since that time, making all teachers who have been in the service for ten years, if selected for promotion, eligible to any position in a primary or a grammar school, making persons, who have left the service honorably, eligible, at any time, to the position of second assistant in a primary or grammar school, and the frequent suspen-

sion of the rules to allow the names of applicants to be placed upon the list of eligibles without complying with the rules relating to the eligibility of candidates, in a great measure, neutralize their good effect, and in fact, make the standard for eligibility lower than it was formerly.

Principals and Supervision.

The rules of the Board require the principals to visit their teachers in their class-rooms for the purpose of seeing that the requirements of the course of study are being carried out properly, and that the teaching is being done so as to secure the required results. Wherever this duty is faithfully and intelligently performed, the school is found to be efficient, or forces are being brought into operation that will in time make it so. In this way the efforts of all the teachers are gotten to work co-operatively, and the necessity does not exist for any teacher, in addition to the work of her own grade, to have to do that of the teacher who taught the class the year before. It is not sufficient for the principal to ascertain at the end of the year that the class has not been well taught, and that in consequence many of its members who should have been are not prepared for promotion. Each teacher's work should be overseen by the principal, and if it is not going on in such a manner as to promise success, corrective measures should be at once adopted, and many failures prevented that would otherwise ensue. Efficient supervision is well done in many of the schools, and there

is no reason why it should not be done in all. More attention is generally being given to this subject, and as a consequence, improvement in the schools is the result. Teachers who do nothing more than hear lessons recited word for word from the book, and who devote a great part of their time to the examination of slate-work, while many of their pupils are idling and in disorder, must be checked, and gotten to teach principles and facts so as to awaken the thinking powers of the children, cultivate the habits of observation and judgment, and get their pupils to acquire an intelligent knowledge of the different studies taught. It is apparent to any one who knew the schools formerly, and who knows what they are to-day that, better teaching is being done, and better results are in consequence being secured, than was the case some years ago. It is a most difficult matter to determine satisfactorily whether a school system numbering over sixty thousand children taught by over twelve hundred teachers in one hundred and five buildings, located in the various sections of the city, extending over an area of about thirty-six square miles, has improved in the space of one year in any important respect. It is certainly a reasonable expectation on the part of the people, who are taxed to maintain the schools, that year by year they should increase in efficiency and be able to do more and more towards educating the youth of the community and promoting its civilization. The community reasonably expects, as the agencies for carrying on the work of education are increased, that better

teachers are secured, that the experience acquired in the management of school affairs enable the Board of Education, its officers and teachers, to use the means put into their hands in such a way as to make the schools of to-day better than those of yesterday. During the past year I think improvement has been made in the following particulars: the efforts made through the grade meetings, the lectures and classes provided under the auspices of Teachers' Associations, and the use of the Teachers' Library have been instrumental in increasing the efficiency of many of the teachers who have availed themselves of these agencies for their improvement. The new buildings provided during the year, and the enlargement of some of the old ones, have necessitated less crowding of the children and have afforded better opportunities for their instruction. The principals of the schools, generally, it may be said, supervised their classes more thoroughly than formerly and secured more unity of action and better teaching on the part of their assistants. A better apportionment of the time between slate-work and oral instruction was made, and better results in oral language, mental arithmetic, and reading secured. History and geography taught in connection, and the latter to a greater extent from the study of maps, have received more intelligent teaching than heretofore in all the grades. The teachers are learning to teach the subjects embraced in the schedule better than formerly; there is less memorizing of text-books and more mental development and thinking power on the part of the

pupils. The wider range of knowledge acquired by many of the progressive teachers and a better understanding of what teaching is and what education means, have resulted in substantial betterment and strengthening of the system. Truancy, tardiness and absence prevail in most of the schools to a less extent than formerly, through the tact and judgment exercised by many of the principals and assistants. The discipline of nearly all of the schools has improved. It was found necessary to administer corporal punishment less frequently than formerly, and in most of the schools no cases were reported. Education and its objects are by no means considered in the same light, even by those who are engaged in the work. Many think when one is conversant with what is contained in the books taught in the schools that the objects of education have been secured, while the true educator lays great stress on the manner in which this knowledge has been gotten, whether in securing it the mind has been trained to be self-active, strong and well developed, and whether good habits have been gotten in other directions at the same time. The habits of neatness, punctuality, industry and earnestness are acquired in all good schools, and they are of invaluable service in promoting the happiness and usefulness of their possessor and the general good of the community in which he resides. It may be confidently asserted that within the last five years the schools have become stronger and better fitted to do their work, and that the tendency is that the agencies in operation will make this more and more the case.

Drawing.

The importance of teaching this branch of study in the schools is recognized by every one, and efforts have been made during the year by the Committee on Drawing to increase the facilities for instruction and to secure better results. The corps of special teachers has been increased and now numbers nine teachers, who give each of the primary and grammar school classes one lesson a week. The following outline of the work has been furnished by two of the teachers who give instruction in the primary, grammar and high schools:

The pupils in the first year are trained first to see, then to think, then to shape. The names and positions of straight lines are taught with the simplest geometric forms, attention called to the proportions of simple solids and tablets that they are allowed to handle, without wearying them with too great detail or lengthy description, but gradually leading them to find for themselves the real shape of that which they intend to picture; dividing lines into two and three parts by the eye, with blackboard exercises that will entertain as well as instruct, the children are led almost unconsciously towards accuracy.

In the second year books are used with straight line designs to be copied, in connection with free-hand drawing from easy objects about the room.

Curves are introduced in the third year with cylindrical objects as models, and these same subjects are taught in the fourth year with rather more decorative work.

In the fifth year the first principles of constructive drawing are added, the work limited to pattern drawing. From this grade through the eighth, the work is regularly divided into the three departments of con-

struction, where the facts of each form presented to the class are studied carefully first, and then the different views drawn in their relation to each other.

Representation, or simply sketching the appearance of objects in different positions. Under this head the convergence of lines is carefully taught in the seventh grade, and still more fully in the eighth, where the pupils draw the objects turned at an angle.

Decoration. This subject introduces original design, and the conventionalizing of natural leaves and flowers for that purpose.

Pupils in the sixth, seventh and eighth grades frequently make the solids of paper at home from the patterns given in the drawing books.

High School.

First Year.—Subjects taught are—

1st. *Constructive drawing*, which requires the study of form, and lays the foundation for all manual training.

2d. *Representation*, where the appearance is studied from models and objects, and then drawn in the book.

3d. *Decoration*, which involves a study of leaves, plants, plant growth and geometric figures, and cultivates a love for the beautiful in nature and art.

Second Year.—More advanced work is done in the same subjects, and more attention given to original design.

Third Year.—Further instruction is given in design and the study of historic ornament; more advanced work in model drawing is done, and the latter half of the year the study of light and shade is introduced.

Fourth Year.—Study of form, light and shade from geometric solids, casts and familiar objects, and an introduction of mechanical perspective, parallel and angular.

Oversight of the work of the assistants on the part of the principals, more interest in the subject taken by the regular teachers, and co-operation on their part

with the special teachers, are bringing the drawing taught in the schools up to a higher standard. The study of the various forms and their representation by drawings are not only beneficial from an æsthetic standpoint, as well as on account of the other claims justly urged for instruction in this branch, but the knowledge acquired in this way by the pupils of the surfaces and solids studied, and represented by drawings, is found to aid them very greatly in understanding the facts of mensuration, mathematical geography and geometry. The ladies composing the corps of special teachers are performing their duties very faithfully and using every means in their power to awaken interest in the subject so as to have the work of the schools in this respect come up to a reasonable degree of thoroughness. In many of the schools may be found numbers of geometrical solids made of paper by the pupils. These are used as models, and the making and study of these forms give the pupils clear ideas of the properties of the cube, the cone, the sphere, etc., and serve a useful purpose, as has been mentioned, in securing a better understanding of mensuration, mathematical geography and geometry. The manual exercise involved in making these forms out of paper, etc., and in representing them by drawings, is not to be lost sight of as a valuable feature of the work done in connection with the study of drawing. This instruction systematically graded and carefully pursued in the primary and grammar school classes is the basis of further manual work, and constitutes as much of

manual training as should be engrafted on the course of study in those schools. These exercises train the hand and eye in connection with the brain and are instrumental in securing a co-ordinated development of the physical and mental powers which is deemed so essential.

The World's Columbian Exposition.

The following circular letter of information has been received from the Hon. William T. Harris, United States Commissioner of Education:

In the World's Columbian Exposition now approaching it is hoped that a single building will be furnished of sufficient extent to contain and properly display all of the exhibits (domestic and foreign) that belong to the Department of Education. At Philadelphia, in 1876, not only the foreign exhibits were separated and scattered, but the exhibits of the several States were isolated from one another. The effect of the educational exhibit at Philadelphia consequently was very much weakened. But at the Cotton Centennial at New Orleans, the educational exhibits of the United States and of foreign nations, with a few exceptions, were brought together in the gallery of the Government building. Those who inspected it pronounce it the best exhibit hitherto made of education. Undoubtedly it derived half its advantage from the fact that it was disposed and arranged under one supervision and the whole of its material brought together in one place.

With a view to secure unity of action on the part of those who have in hand the management of education in different parts of the country in the effort to induce the directors of the World's Columbian Exposition to provide a single building sufficient in capacity for the required purposes, it is proposed that there be organized in each State, as soon as possible, a committee with authority to take in charge all matters pertaining to educational exhibits. Such a committee may be provided for by the legislature or appointed by the Governor, or in the event that

neither of these arrangements is practicable said committee may be organized by election from local committees formed in cities and towns and in the educational institutions of the State. In whatever manner appointed the committee should be thoroughly representative of all classes of schools and educational institutions, whether public, private, or denominational, and it should include State, county, and city superintendents, the officers of private schools and academies, presidents of colleges and universities, directors of institutions for the defective classes, etc As soon as the State committees are ready to act it is proposed to organize a joint effort to secure the grant of space necessary for the single exhibit.

This bulletin is sent to city superintendents and to other persons representing educational interests, with the hope that if the suggestion has not already been anticipated and a State committee already been formed, that steps will be taken immediately to organize such.

Please to forward to this Bureau at your earliest convenience any information that you may have or any suggestions that you may be willing to make on this theme.

The educational exhibits of the different countries, states and cities, it will be observed, are to be brought together and displayed in one building. This plan is very desirable, as it will enable teachers and other persons interested in educational work to make a comparative study of the various exhibits, and to form some idea of the systems they represent. The schools of Baltimore should be represented on this occasion, and in order to make an exhibit that will do justice to the system it will be necessary to secure the requisite amount of money, and to make arrangements for securing the exhibit, transporting it to Chicago, and arranging it suitably for display.

It is respectfully suggested that a special committee be appointed to devise the ways and means for securing a proper representation of our schools at the World's Fair Exposition to be held at Chicago in 1893.

Employment of Minors.

It is very important that the necessary legislation should be enacted to prevent the employment of children under fourteen years of age, and it is recommended that the necessary steps be taken to procure the passage of such a law as the following, with whatever changes may be found necessary:

"That no child under the age of fourteen years shall be employed by any person, company, or corporation during the school term, and while the public schools are in session, unless the parent, guardian, or other person having care of such child, shall be able to give substantial proof that he or she has, if the child is between eight and fourteen years of age, sent such child or children to a public, private or parochial school for a period of not less than twenty weeks in each school year, commencing September 1st, ten weeks of which at least shall be consecutive, unless such child or children are excused from such attendance by the school authorities of the public, private or parochial schools, on account of some disabling mental or physical condition, or that such child or children are taught at home by some qualified person or persons, in the branches usually taught in primary

schools to the extent hereinbefore mentioned ; or that such child has completed the usual course of the primary and grammar grades in some public, private, or parochial school, and such person, company, or corporation shall demand such proof before giving employment to any minor, and shall make a record of such proof given, and shall be required upon request of the proper authority to allow the said record to be examined, and any person, company or corporation employing any child contrary to the provisions of this act shall be liable to a penalty of fifty dollars for each offence, to be recovered in an action for debt, in any court or before any Justice of the Peace having jurisdiction, and such action shall be brought in the name of the Secretary of the Board of Education." (Ohio School Law).

Evening Schools.

The school system of a large city is incomplete and not in condition to do all the good it should accomplish, unless it provides for and maintains well regulated evening schools. There are many boys in the city to whom the doors of the public schools are practically closed, as they are employed during the day and can attend school at no other time than at night. Many of them are compelled during the day to assist in supporting widowed mothers, or fathers who are unable to work. Some of them, forced by circumstances to earn their own living, grow up "on the streets," and will eventually fill our prisons and re-

formatories. Wherever evening schools have been established, under proper rules and efficient management, they have been of great service to the community, and the good they accomplished demonstrated the wisdom of those who secured their establishment. Such schools, to the extent they may be required, should be established, under proper regulations, in connection with the school system of this city, so that a number of the youth of Baltimore, who are employed during the day, may be supplied with the necessary means for improving themselves during their leisure hours. One centrally located building would be sufficient to begin with, and others might be afterwards established when it was found to be necessary. Inquiries are frequently made at the office, by those who wish to attend evening schools, and I am satisfied if such schools were properly organized they would be of great service to the community. The evening schools heretofore maintained by the Board failed to be successful, because they were allowed to be overcrowded by boys who attended the day schools and by others, who did not attend for the purpose of improving themselves. None should be admitted except those who really desire to learn, and have not the opportunity of attending school during the day. They should be kept open for a stated period, from six to eight months annually, and they should furnish a practical course of study, including language, arithmetic, geography, history, reading, bookkeeping and drawing, so arranged that it might be adapted as far as possible to the needs of individual

pupils. Those employed in mercantile pursuits would naturally desire to be instructed in writing, commercial arithmetic and bookkeeping, while those learning trades would want to perfect themselves in drawing, designing, and anything else the school afforded to fit them for their occupations. In order to keep out the class who flock to the evening schools for amusement and mischief rather than for improvement, and who greatly interfere with the successful management and usefulness of the school, it would be well to require those entering to deposit a dollar as a guaranty that they intend to conduct themselves properly, to be regular in attendance, and to make fair effort to improve themselves. On leaving school this sum should be returned to those who had made a reasonable amount of effort to comply with their agreement. This plan has been tried in some localities, and it has been found to operate most advantageously. There is a duty to be performed in this matter which requires us to offer boys circumstanced as those are whom I have mentioned, the opportunity to educate themselves. When first established, a night school might have a limited attendance, and it might not be as efficient as desirable, but as those entrusted with its organization and management became better qualified by the experience they would acquire to discharge their duties, I am satisfied the school would grow and thrive, and be of great benefit to the city.

Your attention is invited to the report of the Assistant Superintendent, herewith submitted, which gives an account of the progress and needs of the primary schools, also to the reports of the Principals of Baltimore City College, the Eastern Female High School, the Western Female High School, and the Manual Training School, for information in regard to those schools.

The teachers have been faithful in the performance of their trying duties, and my thanks are especially due them for the generous and helpful manner in which they have aided me in my efforts to promote the efficiency of the schools.

I desire to express my thanks to the members of the Board and its officers for the co-operation and assistance they have extended to me in the performance of my duties.

Respectfully submitted,

HENRY A. WISE,

Superintendent.

TABLES

Accompanying the Superintendent's Report.

TABLE A.

Statement showing the number of male and female teachers, and the number of pupils on roll, December, 1891; the average number of pupils on roll during the year; the average attendance for the year; the percentage of attendance for the year, and the number in school during the year.

Schools.	Teachers		Number of Pupils.					
	Males.	Females.	On roll December, 1891.	Average roll for the year.	Average attendance for the year.	Percentage of attendance.	Whole number in school during the year.	In school during the year, excluding duplicate enrollments.
Baltimore City College.	15	....	451	403	377	93	657	443
E. F. High School.....	1	9	355	327	305	93	467	332
W. F. High School.....	2	11	517	491	459	93	756	523
Totals.....	18	20	1,323	1,221	1,141	93	1,880	1,298
Manual Training School	15	....	370	375	339	90	663	663
Male Grammar No. 1..	2	5	297	276	255	92	429	319
" " " 2..	2	8	404	384	347	90	563	431
" " " 3..	2	3	125	120	105	88	191	143
" " " 4..	2	4	227	214	201	94	321	251
" " " 5..	1	5	238	217	190	87	339	266
" " " 6..	2	9	454	433	381	88	595	454
" " " 7..	2	5	255	242	220	91	366	271
" " " 8..	2	7	389	359	313	87	550	421
" G. & P. " 9..	1	4	149	148	115	78	240	227
" Grammar " 10..	2	5	269	259	236	91	365	270
" " " 11..	2	5	246	240	212	88	365	274
" " " 12..	2	6	298	293	271	92	446	323
" " " 13..	1	4	160	151	140	92	222	163
" " " 15..	2	11	510	479	437	91	721	562
" " " 16*.	1	6	318	314	269	86	335	333
" " " 17..	2	4	241	219	195	91	328	233
" " " 18..	2	3	153	152	130	85	213	176
" " " 19..	1	7	299	287	254	88	416	336
" " " 20..	2	8	403	390	345	89	575	433
" " " 21..	2	8	411	359	323	90	533	383
Totals.....	35	117	5,846	5,536	4,939	89	8,913	6,269

*No. 16 was divided in October, 1891.

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE A—Continued.

SCHOOLS.	Teachers		Number of Pupils.					
	Males.	Females.	On roll December, 1891.	Average roll for the year.	Average attendance for the year.	Percentage of attendance.	Whole number in school during the year.	In school during the year, excluding duplicate enrollments.
Female Grammar No. 1.		10	380	387	331	86	544	446
" " " 2.		10	382	359	15	87	536	403
" " " 3.		5	152	148	119	80	225	176
" " " 4.		6	243	242	216	89	351	266
" " " 5.		7	284	268	233	86	369	274
" " " 6.		12	510	492	436	89	689	542
" " " 7.		8	289	265	237	90	414	314
" " " 8.		11	430	416	362	87	588	466
" G. & P " 9.		5	144	144	115	80	212	209
" Grammar " 10.		9	353	320	288	90	474	350
" " " 11.		8	303	291	251	86	441	323
" " " 12.		7	276	261	228	87	393	289
" " " 13.		6	224	231	202	88	319	269
" " " 15.		15	654	623	558	90	886	693
" " " 16.		7	296	486	397	82	791	780
" " " 17.		7	269	254	234	92	380	285
" " " 18.		5	155	156	135	87	216	183
" " " 19.		7	305	293	249	85	422	341
" " " 20.		11	464	456	412	90	642	495
" " " 21.		14	599	538	462	86	829	611
Totals.....		170	6,712	6,630	5,780	87	9,721	7,715
English-German No. 1.	3	12	584	565	505	89	799	730
" " " 2.	4	24	1,080	1,073	990	92	1,424	1,363
" " " 3.	4	28	1,444	1,377	1,262	92	1,866	1,791
" " " 4.	3	28	1,311	1,235	1,095	89	1,616	1,575
" " " 5.	3	18	867	832	754	91	1,139	1,052
Totals.....	17	110	5,286	5,082	4,606	90	6,844	6,511

TABLES ACCOMPANYING SUPERINTENDENT'S REPORT.

TABLE A—Continued.

SCHOOLS.	Teachers		Number of Pupils.					
	Males.	Females.	On roll December, 1891.	Average roll for the year.	Average attendance for the year.	Percentage of attendance.	Whole number in school during the year.	In school during the year, excluding duplicate enrollments.
Male Primary No. 1	....	9	334	347	303	87	530	506
" " " 2	....	5	196	186	160	86	319	313
" " " 3	....	7	299	275	230	84	448	424
" " " 4	....	6	251	244	217	89	376	359
" " " 5	....	10	430	389	331	86	595	539
" " " 6	....	10	444	418	378	91	606	591
" " " 7	....	5	212	210	174	84	324	300
" " " 8	....	5	209	192	153	82	295	284
" " " 10	....	6	235	229	191	83	360	339
" " " 11	....	13	554	540	457	85	787	746
" " " 12	....	9	380	373	327	86	526	508
" " " 13	....	5	194	194	133	69	286	275
" " " 14	....	8	356	348	293	85	506	464
" " " 15	....	10	405	379	319	84	578	530
" " " 16	....	7	263	263	221	84	405	381
" " " 17	....	7	289	295	253	85	416	397
" " " 18	....	6	246	240	209	87	359	332
M. & F. " " 19	....	4	157	159	136	85	261	239
Male " " 20	....	16	606	607	548	90	873	808
" " " 21	....	8	374	356	306	86	533	493
" " " 22	....	9	390	384	325	85	564	540
" " " 23	....	8	352	351	301	86	504	483
" " " 24	....	9	440	403	350	87	585	554
" " " 25	....	5	217	209	176	84	299	292
" " " 26	....	6	236	236	206	87	338	319
" " " 27	....	8	360	358	301	84	500	482
" " " 28	....	7	284	275	245	90	399	375
" " " 29	....	4	155	154	132	85	243	228
" " " 30	....	14	628	595	494	83	885	834
" " " 31	....	6	221	210	172	82	318	291
" " " 32	....	7	319	291	253	87	456	428
" " " 33	....	9	356	282	247	88	448	434
Totals	....	251	10,392	9,992	8,541	85	14,922	14,088

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE A—Continued.

SCHOOLS.	Teachers		Number of Pupils.					
	Males.	Females.	On roll December, 1891.	Average roll for the year.	Average attendance for the year.	Percentage of attendance.	Whole number in school during the year.	In school during the year, excluding duplicate enrollments.
Female Primary No. 1.	....	10	349	363	292	81	561	516
" " " 2.	....	5	191	183	163	88	289	282
" " " 3.	....	7	313	291	229	79	453	428
" " " 4.	....	6	222	236	200	85	367	345
" " " 5.	....	10	440	435	342	79	639	612
" " " 6.	....	10	442	450	374	83	653	638
" " " 7.	....	5	194	184	143	80	286	266
" " " 8.	....	5	240	226	186	82	339	317
" " " 10.	....	6	212	209	185	89	347	324
" " " 11.	....	11	487	480	389	81	723	684
" " " 12.	....	10	405	403	345	86	613	583
" " " 13.	....	5	188	173	144	83	267	245
" " " 14.	....	7	307	294	246	84	450	430
" " " 15.	....	10	401	398	336	85	629	578
" " " 16.	....	6	236	236	196	83	366	348
" " " 17.	....	7	286	283	234	83	414	401
" " " 18.	....	6	269	261	216	83	357	323
" " " 20.	....	14	549	539	452	84	813	768
" " " 21.	....	7	316	287	238	83	467	437
" " " 22.	....	9	343	339	259	76	546	527
" " " 23.	....	8	344	329	280	85	474	450
" " " 24.	....	8	439	404	338	84	560	526
" " " 25.	....	5	222	206	182	84	327	314
" " " 26.	....	5	249	232	193	83	334	311
" " " 27.	....	9	394	379	321	85	551	516
" " " 28.	....	6	250	250	223	89	336	328
" " " 29.	....	4	153	159	136	86	239	229
" " " 30.	....	12	548	525	421	80	798	740
" " " 31.	....	6	199	202	167	83	297	274
" " " 32.	....	7	300	279	231	83	420	397
" " " 33.	....	8	324	286	251	88	428	409
Totals	....	234	9,812	9,521	7,912	83	14,343	13,546

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE A—CONTINUED.

SCHOOLS.	Teachers		Number of Pupils.					
	Males.	Females.	On roll December, 1891.	Average roll for the year.	Average attendance for the year.	Percentage of attendance.	Whole number in school during the year.	In school during the year, excluding duplicate enrollments.
High & Gram. Colored.	4	19	909	849	729	86	1,264	924
Male Colored No. 1....	1	4	225	216	159	74	405	390
" " " 2....	1	6	267	258	191	74	363	361
" " " 3....	2	7	376	371	320	86	495	491
" " " 4....	2	8	400	382	321	85	557	555
" " " 5....	1	6	269	261	204	78	390	384
" " " 6....	2	4	261	238	190	80	350	350
" " " 7....	2	9	417	393	319	81	622	616
" " " 8....	1	7	307	288	232	81	436	424
" " " 9....	3	6	434	386	304	79	611	599
Female " " 1....	....	8	354	348	274	79	550	544
" " " 2....	....	7	285	275	216	78	390	388
" " " 3....	....	9	380	371	293	77	554	547
" " " 4....	....	9	402	380	286	75	524	516
" " " 6....	....	6	271	280	202	72	439	434
" " " 7....	....	17	754	692	537	78	993	981
" " " 8....	....	8	336	309	239	78	455	450
" " " 9....	....	9	432	351	281	80	589	574
Totals.....	19	149	7,079	6,648	5,297	80	9,987	9,528

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE A—Continued.

SCHOOLS.	Teachers		Number of pupils.					
	Males.	Females.	On roll December, 1891.	Average roll for the year.	Average attendance for the year.	Percentage of attendance.	Whole number in school during the year.	In school during the year, excluding duplicate enrollments.
Annex No. 1	....	6	257	250	208	84	369	357
" " 2	1	16	709	680	574	84	952	914
" " 3	1	7	314	289	236	82	466	365
" " 4	....	8	364	361	289	80	525	505
" " 5	....	7	297	303	260	86	426	422
" " 6	1	4	210	203	171	84	324	241
" " 7	1	8	383	380	308	81	526	516
" " 8	1	8	411	388	306	79	543	512
" " 9	1	5	251	251	196	78	337	319
" " 10	1	5	215	214	177	83	277	263
" " 11	1	6	310	283	242	86	359	347
" " 12	4	12	662	629	568	90	848	821
" " 13	....	15	687	458	328	74	794	683
" " 14	....	2	63	57	45	79	71	66
" " 34, Male	....	5	217	210	176	84	360	326
" " 34, Female	....	5	203	187	150	84	311	279
" " 1, Colored	....	3	123	123	81	65	195	195
" " 3, "	....	1	47	44	28	64	87	87
Totals	12	123	5,723	5,310	4,343	81	7,770	7,218

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE A—Concluded.

RECAPITULATION.

SCHOOLS.	Number of Schools.	NUMBER OF TEACHERS.				NUMBER OF PUPILS.					
		Males, December, 1891.	Females, December, 1891.	Totals, December, 1891.	Average for the Year.	On Roll, December, 1891.	Average Roll for the Year.	Average Attendance for the Year.	Percentage of Attendance.	Whole Number in School during the Year.	In School during Year, excluding Duplicate Enrollments.
Baltimore City College	1	15	.....	15	15	451	403	377	93	657	443
Eastern Female High School	1	1	9	10	10	355	327	305	93	467	332
Western Female High School	1	2	11	13	13	517	491	459	93	756	523
Manual Training School	1	15	.....	15	15	370	375	339	90	663	663
Male Grammar Schools	20	35	117	152	135	5,846	5,536	4,939	89	8,113	6,269
Female Grammar Schools	20	.....	170	170	168	6,712	6,630	5,780	87	9,721	7,715
English-German Schools	5	17	110	127	124	5,286	5,082	4,606	90	6,844	6,511
Male Primary Schools	32	.....	251	251	243	10,392	9,992	8,541	85	14,922	14,088
Female Primary Schools	31	.....	234	234	228	9,812	9,521	7,912	83	14,343	13,546
Colored Schools	18	19	149	168	164	7,079	6,648	5,297	80	9,987	9,528
Annex Schools	18	12	123	135	117	5,723	5,310	4,343	81	7,770	7,218
	148	116	1,174	1,290	1,232	.....	.....	.....	.....	.....	.....
Special Teachers { Music	.....	2	.....	2	2	.....	.....	.....	.....	.....	.....
Special Teachers { Drawing	.....	.....	9	9	9	.....	.....	.....	.....	.....	.....
Totals	148	118	1,183	1,301	1,243	52,543	50,315	42,898	86	74,243	66,836
Evening School No. 1	1	1	5	6	.....	266	.....	235	.....	.....	.....

Tables Accompanying the Superintendent's Report.

TABLE B.

Different Grades of Schools Compared.

Number of pupils in B. C. C. and High Schools,	1891.....	1,323	
" " " " "	1890.....	1,259	
Increase			64
Number of pupils in Manual Training School,	1891.....	370	
" " " " "	1890.....	428	
Decrease			58
Number of pupils in Grammar Schools,	1891.....	12,558	
" " " "	1890.....	12,262	
Increase			296
Number of pupils in English-German Schools,	1891.....	5,286	
" " " "	1890.....	5,122	
Increase			164
Number of pupils in Primary Schools,	1891.....	20,204	
" " " "	1890.....	19,738	
Increase			466
Number of pupils in Colored Schools,	1891.....	7,079	
" " " "	1890.....	6,888	
Increase			191
Number of pupils in Annex Schools,	1891.....	5,723	
" " " "	1890.....	5,202	
Increase			521
Increase			1,702
Decrease			58
Net Increase			1,644

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE C.

Showing the Number of Pupils and Teachers in the Public Schools on roll at the time of making the report each year, from the year 1829, when the first Public School was opened, to the year 1891, inclusive.

This Statement does not include Evening Schools, Normal Classes, nor Floating Schools.

The figures for 1888, *and subsequently, include the Annex Schools.*

Date.	Teachers.	Pupils.	Date.	Teachers.	Pupils.
1829	3	269	1861	295	13,424
1830	5	402	1862	311	13,888
1831	5	627	1863	333	14,847
1832	5	640	1864	343	15,319
1833	5	544	1865	366	15,957
1834	8	859	1866	402	17,550
1835	8	747	1867	490	22,073
1836	8	814	1868	537	21,903
1837	8	659	1869	540	23,552
1838	8	675	1870	549	23,898
1839	16	1,126	1871	559	24,479
1840	22	1,834	1872	581	25,092
1841	27	2,331	1873	588	26,663
1842	28	2,464	1874	626	27,634
1843	30	2,669	1875	672	29,942
1844	38	3,366	1876	717	31,071
1845	52	4,313	1877	734	32,523
1846	65	5,087	1878	784	34,002
1847	90	6,439	1879	798	35,595
1848	100	6,696	1880	799	35,297
1849	110	6,763	1881	824	35,630
1850	119	7,093	1882	826	35,639
1851	138	8,011	1883	855	37,546
1852	175	9,081	1884	893	38,618
1853	186	9,447	1885	930	39,828
1854	207	9,717	1886	972	39,779
1855	217	10,588	1887	994	41,199
1856	238	11,441	1888	1119	46,521
1857	245	11,269	1889	1187	48,850
1858	256	11,587	1890	1244	50,899
1859	267	11,750	1891	1301	52,543
1860	284	13,186			

TABLE D.

SCHOOLS.	NUMBER OF PUPILS BETWEEN THE AGES OF																Totals
	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	
Balto. City College	....	....	....	....	....	....	....	17	53	91	96	59	37	11	6	.....	370
East. Fem. High	....	....	....	....	....	....	....	1	3	34	84	96	88	34	14	1	355
West. Fem. High	....	....	....	....	....	....	....	.....	6	48	119	160	113	53	17	1	517
Totals	....	....	....	....	....	....	....	18	62	173	299	315	238	98	37	2	1242
Manual Training	....	....	....	....	....	....	....	.....	12	54	125	132	83	32	10	3	451
Male Gram. No. 1	....	...	....	2	16	31	46	65	61	36	29	7	4	.....	.....	.....	297
" " " 2	....	....	...	1	16	53	89	107	71	44	14	8	1	.....	.....	.....	404
" " " 3	....	....	....	....	6	14	21	40	28	11	4	1	.....	.....	.....	.....	125
" " " 4	....	....	....	....	9	30	36	49	49	33	16	2	3	.....	.....	.....	227
" " " 5	....	....	....	....	16	29	45	72	40	25	9	2	.....	.....	.....	.....	238
" " " 6	....	....	....	2	20	66	92	94	89	59	29	3	....	.....	.....	.....	454
" " " 7	....	....	....	....	11	29	45	59	63	33	10	5	.....	.....	.....	.....	255
" " " 8	....	....	....	2	13	51	76	86	86	53	18	3	1	.....	.....	.....	389
" G. & P. " 9	1	13	14	14	20	27	16	15	15	9	3	2	.....	.....	.....	.....	149
" Gram. " 10	....	....	....	1	11	28	63	51	65	30	17	3	.....	.....	.....	.....	269
" " " 11	....	....	....	4	13	36	38	58	59	36	2	.....	.....	.....	.....	.....	246
" " " 12	....	....	....	....	14	44	60	79	67	24	10	.....	.....	.....	.....	.....	298
" " " 13	....	....	....	1	5	21	29	35	31	20	9	9	.....	.....	.....	.....	160
" " " 15	....	....	....	2	17	74	93	116	97	75	28	7	1	.....	.....	.....	510
" " " 16	10	56	50	36	48	38	32	30	14	3	1	.....	.....	.....	.....	.....	318
" " " 17	....	....	....	....	28	30	46	53	36	30	14	4	.. ..	.....	.....	.....	241
" " " 18	....	....	....	1	2	24	19	34	36	25	12	.....	.....	.....	.....	.....	153
" " " 19	....	....	....	....	7	41	53	48	68	58	18	4	2	.....	.....	.....	299
" " " 20	....	....	. ..	....	19	47	69	82	83	68	26	9	.....	.....	.....	.....	403
" " " 21	....	....	....	....	18	54	65	82	98	55	30	8	.....	.....	.....	1	411
Totals	11	69	64	66	309	767	1,033	1,255	1,156	727	299	77	12	.....	.....	1	5,846

TABLE D—Continued.

SCHOOLS.	NUMBER OF PUPILS BETWEEN THE AGES OF																
	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Totals
Fem. Gram. No. 1	....	....	....	1	10	31	58	67	77	73	35	28	.....	.. ..	.....	.....	380
" " 2	....	....	....	2	13	63	89	81	78	37	13	6	.....	.....	.....	.....	382
" " 3	....	....	....	1	3	23	25	34	35	19	10	2	.....	.....	.....	.....	152
" " 4	....	....	....	....	16	27	52	45	46	33	18	6	.....	.....	.....	.....	243
" " 5	....	....	....	2	9	47	45	76	42	44	16	3	.....	.....	.....	.....	284
" " 6	....	....	....	1	10	46	92	97	117	82	49	14	2	.....	.....	.....	510
" " 7	....	....	....	....	....	13	32	58	71	57	38	16	4	.....	.....	.....	289
" " 8	....	....	....	1	20	47	77	92	80	74	33	5	1	.....	.....	.....	430
Fem. G. & P. " 9	23	15	16	16	20	11	11	13	10	7	2	.....	.....	.....	.....	.....	144
Fem. Gram. " 10	....	....	....	....	12	55	69	89	69	41	16	2	.....	.....	.....	.....	353
" " 11	....	....	....	3	14	50	68	69	62	25	12	.....	.....	.....	.....	.....	303
" " 12	....	....	....	....	11	33	74	61	53	33	5	6	.....	.....	.....	.....	276
" " 13	....	....	....	....	12	22	36	56	53	28	14	2	1	.....	.....	.....	224
" " 15	....	....	....	4	27	64	122	111	136	95	67	15	3	.....	.....	.....	654
" " 16	20	36	45	46	54	35	21	19	11	7	2	.....	.....	.....	.....	.....	296
" " 17	....	....	....	....	18	44	55	53	54	27	9	8	.....	1	.....	.....	269
" " 18	....	....	....	1	4	11	32	41	30	17	12	6	1	.....	.....	.....	155
" " 19	....	....	....	1	9	31	49	46	66	49	36	16	2	.....	.....	.....	305
" " 20	....	....	...	1	17	49	82	96	95	75	39	7	3	.....	.....	.....	464
" " 21	....	....	....	5	23	54	98	118	117	96	68	19	1	.....	.....	.....	599
Totals	43	51	61	85	302	756	1,197	1,322	1,302	919	494	161	18	1	.....	.....	6,712
Eng.-Ger. No. 1	1	52	61	94	62	92	70	60	56	24	12	.....	.....	.....	.....	.....	584
" " 2	4	135	153	161	145	179	123	100	51	18	9	2	.....	.....	.....	.....	1,080
" " 3	26	123	185	234	197	197	195	137	98	44	7	1	.....	.....	.....	.....	1,444
" " 4	8	139	188	216	180	228	162	113	56	18	3	.....	.....	.....	.....	.....	1,311
" " 5	2	73	129	141	88	103	118	106	71	29	7	.....	.....	.....	.....	.....	867
Totals	41	522	716	846	672	799	668	516	332	133	38	3	.....	.....	.....	.....	5,286

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE D—Continued.

SCHOOLS.	NUMBER OF PUPILS BETWEEN THE AGES OF																
	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	Totals
Male Prim. No. 1.....	8	49	83	57	68	46	18	5	.....	.....	.....	.....	.....	.....	.....	.....	334
" " " 2.....	3	14	25	42	47	25	20	13	5	2	.....	.....	.....	.....	.....	.....	196
" " " 3.....	4	21	37	56	47	51	32	35	12	3	1	.....	.....	.....	.....	.....	299
" " " 4.....	15	51	48	55	49	18	9	3	2	1	.....	.....	.....	.....	.....	.....	251
" " " 5.....	28	80	51	67	65	65	41	18	11	4	.....	.....	.....	.....	.....	.....	430
" " " 6.....	41	93	78	96	55	44	26	8	3	.....	.....	.....	.....	.....	.....	.....	444
" " " 7.....	12	23	30	46	40	24	22	11	4	.....	.....	.....	.....	.....	.....	.....	212
" " " 8.....	20	25	33	34	24	35	25	10	2	1	.....	.....	.....	.....	.....	.....	209
" " " 10.....	5	49	36	35	42	36	20	11	1	.....	.....	.....	.....	.....	.....	.....	235
" " " 11.....	9	74	97	122	112	55	43	31	8	3	.....	.....	.....	.....	.....	.....	554
" " " 12.....	10	53	70	82	71	51	27	10	5	1	.....	.....	.....	.....	.....	.....	380
" " " 13.....	8	34	34	25	29	20	18	16	10	.....	.....	.....	.....	.....	.....	.....	194
" " " 14.....	2	38	73	89	75	51	20	4	2	2	.....	.....	.....	.....	.....	.....	356
" " " 15.....	13	75	94	76	62	47	18	9	8	2	1	.....	.....	.....	.....	.....	405
" " " 16.....	....	55	54	57	35	31	24	6	.....	1	.....	.....	.....	.....	.....	.....	263
" " " 17.....	8	42	43	52	41	53	25	18	6	1	.....	.....	.....	.....	.....	.....	289
" " " 18	7	41	52	38	48	32	19	5	2	.....	1	.....	1	.....	.....	.....	246
M. & F. Prim. " 19.....	6	16	30	33	28	16	14	7	4	2	1	.....	.....	.....	.....	.....	157
Male Prim. No. 20.....	31	80	119	108	105	81	44	16	16	4	1	1	.....	.....	.....	.....	606
" " " 21.....	5	39	54	60	55	77	50	20	8	5	.....	1	.....	.....	.....	.....	374
" " " 22.....	12	50	53	91	72	56	37	12	5	2	.....	.....	.....	.....	.....	.....	390
" " " 23.....	5	60	76	66	59	35	30	16	3	2	.....	.....	.....	.....	.....	.....	352
" " " 24.....	1	55	69	81	94	58	44	29	8	.....	.....	1	.....	.....	.....	.....	440
" " " 25.....	11	21	44	32	37	32	18	14	7	1	.....	.....	.....	.....	.....	.....	217
" " " 26.....	3	30	59	50	37	25	11	14	4	3	.....	.....	.....	.....	.....	.....	236
" " " 27.....	9	77	61	76	63	43	17	14	.....	.....	.....	.....	.....	.....	.....	.....	360
" " " 28.....	7	36	51	62	30	41	30	18	5	3	1	.....	.....	.....	.....	.....	284
" " " 29.....	9	30	18	20	30	27	9	4	8	.....	.....	.....	.....	.....	.....	.....	155
" " " 30.....	9	93	113	120	100	98	55	29	9	2	.....	.....	.....	.....	.....	.....	628
" " " 31.....	4	35	35	53	37	29	18	8	1	1	.....	.....	.....	.....	.....	.....	221
" " " 32.....	15	52	75	49	64	31	18	7	6	2	.....	.....	.....	.....	.....	.....	319
" " " 33.....	20	60	68	53	58	46	21	16	8	6	.....	.....	.....	.....	.....	.....	356
Totals.....	340	1551	1863	1983	1779	1379	823	437	173	54	6	3	1	.....	.....	.....	19,392

TABLE D—Continued.

SCHOOLS.	NUMBER OF PUPILS BETWEEN THE AGES OF															Totals
	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	
Female Primary No. 1..	4	52	58	57	66	58	34	17	3	.....	.....	.....	.....	.....	.....	.....	349
" " " 2..	2	16	47	39	41	25	14	6	1	.....	.....	.....	.....	.....	.....	.....	191
" " " 3..	8	63	61	54	61	31	21	10	1	3	.....	.....	.....	.....	.....	.....	313
" " " 4..	18	20	41	56	42	21	20	1	2	.....	1	.....	.....	.....	.....	.....	222
" " " 5..	18	57	85	102	62	64	33	13	5	1	.....	.....	.....	.....	.....	.....	440
" " " 6..	14	51	91	113	89	49	23	9	3	.....	.....	.....	.....	.....	.....	.....	442
" " " 7..	12	32	41	32	40	13	12	8	4	.....	.....	.....	.....	.....	.....	.....	194
" " " 8..	13	47	51	43	32	27	17	6	4	.....	.....	.....	.....	.....	.....	.....	240
" " " 10..	7	39	35	48	36	24	8	12	3	.....	.....	.....	.....	.....	.....	.....	212
" " " 11..	4	70	89	109	96	60	33	22	4	.....	.....	.....	.....	.....	.....	.....	487
" " " 12..	10	56	82	88	72	50	29	14	3	1	.....	.....	.....	.....	.....	.....	405
" " " 13..	5	41	37	32	30	18	14	7	4	.....	.....	.....	.....	.....	.....	.....	188
" " " 14..	7	41	56	78	62	36	18	7	1	.....	.....	.....	.....	1	.....	.....	307
" " " 15..	3	48	85	83	87	47	26	11	9	1	1	.....	.....	.....	.....	.....	401
" " " 16..	14	45	29	53	45	31	11	7	1	.....	.....	.....	.....	.....	.....	.....	236
" " " 17..	12	41	63	47	45	45	15	16	2	.....	.....	.....	.....	.....	.....	.....	286
" " " 18..	32	65	32	69	33	27	11	.....	.....	.....	.....	.....	.....	.....	.....	.....	269
" " " 20..	14	85	108	104	95	77	35	20	6	5	.....	.....	.....	.....	.....	.....	549
" " " 21..	3	41	49	69	54	47	26	13	12	2	.....	.....	.....	.....	.....	.....	316
" " " 22..	8	44	67	55	70	43	29	21	6	.....	.....	.....	.....	.....	.....	.....	343
" " " 23..	13	47	81	81	64	28	11	11	5	3	.....	.....	.....	.....	.....	.....	344
" " " 24..	8	68	100	96	65	60	29	11	2	.....	.....	.....	.....	.....	.....	.....	439
" " " 25..	13	38	40	49	33	30	14	5	.....	.....	.....	.....	.....	.....	.....	.....	222
" " " 26..	7	29	55	51	39	31	24	8	5	.....	.....	.....	.....	.....	.....	.....	249
" " " 27..	7	63	92	95	67	36	16	12	5	1	.....	.....	.....	.....	.....	.....	394
" " " 28..	2	35	46	56	51	31	12	10	6	.....	1	.....	.....	.....	.....	.....	250
" " " 29..	1	27	30	25	33	12	20	4	1	.....	.....	.....	.....	.....	.....	.....	153
" " " 30..	15	62	89	122	107	64	49	24	13	3	.....	.....	.....	.....	.....	.....	548
" " " 31..	4	22	33	36	33	36	17	15	2	1	.....	.....	.....	.....	.....	.....	199
" " " 32..	8	49	66	60	56	33	18	5	4	1	.....	.....	.....	.....	.....	.....	300
" " " 33..	8	47	64	77	47	46	20	11	3	1	.....	.....	.....	.....	.....	.....	324
Totals.....	294	1441	1903	2079	1753	1200	659	336	120	23	3	.....	.....	1	.....	.....	9,812

TABLE D—Continued.

Schools.	Number of pupils between the ages of																Totals
	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	
H. and G. Col'd No. 1....	....	....	....	....	....	36	75	124	195	148	122	89	86	18	10	6	909
" " " 2....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
" " " 3....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Male " " 1....	....	10	18	23	30	31	26	21	23	31	10	2	....	....	....	....	225
" " " 2....	....	21	33	41	41	26	37	27	25	8	8	....	....	....	....	....	267
" " " 3....	4	27	52	45	45	56	52	49	28	14	3	1	....	....	....	....	376
" " " 4....	..	24	51	56	58	47	63	38	34	22	5	1	1	....	....	....	400
" " " 5....	1	23	42	38	44	39	37	21	18	4	2	....	....	....	....	....	269
" " " 6....	....	20	33	34	37	30	28	36	23	15	4	1	....	....	....	....	261
" " " 7....	....	31	55	59	49	55	47	43	46	14	14	4	....	....	....	....	417
" " " 8....	1	24	37	43	59	48	30	28	20	9	8	....	....	....	....	....	307
" " " 9....	3	19	41	48	49	88	59	54	46	18	7	1	1	....	....	....	434
Female " " 1....	3	20	20	32	45	34	47	48	43	45	14	3	....	....	....	....	354
" " " 2....	....	18	38	47	42	37	29	26	38	10	....	....	....	....	....	....	285
" " " 3....	....	29	55	52	62	60	42	40	26	9	2	3	....	....	....	....	380
" " " 4....	....	25	50	40	58	50	50	53	32	29	10	3	2	....	....	....	402
" " " 6....	4	20	44	37	34	45	24	30	24	6	1	2	....	....	....	....	271
" " " 7....	....	42	99	91	88	103	92	87	78	50	17	6	1	....	....	....	754
" " " 8....	22	33	45	44	54	32	43	34	20	7	2	....	....	....	....	....	336
" " " 9....	1	32	53	68	66	64	51	38	28	17	12	1	....	1	....	....	432
Totals.....	39	418	766	798	861	881	832	797	747	456	241	117	91	19	10	6	7,079

TABLE D—Continued.

SCHOOLS.	NUMBER OF PUPILS BETWEEN THE AGES OF																
	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	Totals
Annex No. 1	11	23	35	33	28	33	32	32	21	7	2	.....	.....	.....	.....	.....	257
" " 2	6	57	76	88	94	79	98	66	62	35	39	8	1	.....	.....	.....	709
" " 3	.....	.....	.....	.....	4	24	58	51	72	70	29	5	1	.....	.....	.....	314
" " 4	9	45	69	64	67	47	33	15	8	3	3	1	.....	.....	.....	.....	364
" " 5	12	42	54	59	71	31	18	9	.....	1	.....	.....	.....	.....	.....	.....	297
" " 6	.....	.....	.....	.....	19	45	46	42	32	17	7	2	.....	.....	.....	.....	210
" " 7	5	27	49	50	49	57	52	34	28	22	5	4	1	.....	.....	.....	383
" " 8	4	49	57	58	48	57	52	47	24	9	6	.....	.....	.....	.....	.....	411
" " 9	4	19	41	28	31	27	34	20	21	20	5	1	.....	.....	.....	.....	251
" " 10	3	13	22	30	31	29	22	22	14	20	7	2	.....	.....	.....	.....	215
" " 11	8	29	35	35	32	41	35	31	26	21	14	3	.....	.....	.....	.....	310
" " 12	9	91	91	84	89	105	73	66	42	11	1	.....	.....	.....	.....	.....	662
" " 13	38	93	115	113	84	82	76	43	26	16	.....	.....	1	.....	.....	.....	687
" " 14	1	7	7	6	8	9	5	7	4	4	4	1	.....	.....	.....	.....	63
" " 34 Male	7	27	35	40	41	28	20	11	4	4	.....	.....	.....	.....	.....	.....	217
" " 34 Female	.....	31	52	42	45	19	12	.....	2	.....	.....	.....	.....	.....	.....	.....	203
" " 1 Colored	13	19	21	10	16	12	11	13	5	2	1	.....	.....	.....	.....	.....	123
" " 3, "	3	1	13	7	4	8	3	2	2	3	1	.....	.....	.....	.....	.....	47
Totals	133	573	772	747	761	733	680	511	393	265	124	27	4	.....	.....	.....	5,723

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE D—Concluded.

RECAPITULATION.

SCHOOLS.	NUMBER OF PUPILS BETWEEN THE AGES OF																Totals
	5-6	6-7	7-8	8-9	9-10	10 11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	
College and High	....	....	....	....	...	.....	.....	18	62	173	299	315	238	98	37	2	1,242
Manual Training	....	....	....	....	....	.....	.....	.....	12	54	125	132	83	32	10	3	451
Male Grammar	11	69	64	66	309	767	1033	1255	1156	727	299	77	12	.....	.....	1	5,846
Female Grammar	43	51	61	85	302	756	1197	1322	1302	919	494	161	18	1	.....	.....	6,712
English-German	41	522	716	846	672	799	668	516	332	133	38	3	.....	.....	.....	.....	5,286
Male Primary	340	1551	1863	1983	1779	1379	823	437	173	54	6	3	1	.....	.....	.....	10,392
Female Primary	294	1441	1903	2079	1753	1200	659	336	120	23	3	.....	.....	1	.....	.....	9,812
Colored	39	418	766	798	861	881	832	797	747	456	241	117	91	19	10	6	7,079
Annex	133	573	772	747	761	733	680	511	393	265	124	27	4	.....	.....	.....	5,723
Totals	901	4625	6145	6604	6437	6815	5892	5192	4297	2804	1629	835	447	151	57	12	52,543
Evening School No. 1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	266

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE E.

Statement showing the Number of Pupils in each grade.

SCHOOLS. HIGH SCHOOL AND MANUAL TRAINING COURSE.	Fifth year.	Fourth year.		Third year.		Second year.		First year.		Preparatory.	Totals.	
	Males.	Males.	Females	Males.	Females	Males.	Females	Males.	Females	Males.	Males.	Females
Baltimore City College	20	42	.....	67	.....	104	.....	218	.....	.....	451	.....
Eastern Female High School	.....	.....	51	.....	78	.....	88	.....	138	.....	.....	355
Western Female High School	.....	.....	75	.....	78	.....	120	.....	244	.....	.....	517
Manual Training School	.....	.....	.....	34	.....	34	.....	99	.....	†203	370	.....
*High and Grammar Col'd No. 1	.....	4	4	.....	13	4	10	8	22	.....	16	49
Totals	20	46	130	101	169	142	218	325	404	203	837	921

*See also under "Mixed Schools." †102 in first year, 101 in second year.

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE E—Continued.

GRAMMAR SCHOOLS.	Eighth Grade.	Seventh Grade.	Sixth Grade.	Fifth Grade.	Fourth Grade.	Totals.
Male No. 1	30	51	56	67	93	297
" 2	14	40	74	134	142	404
" 3	2	10	18	35	60	125
" 4	20	32	51	47	77	227
" 5	14	23	53	60	88	238
" 6	45	72	99	102	136	454
" 7	6	18	61	54	116	255
" 8	17	39	85	104	144	389
" 10	13	22	45	76	113	269
" 11	21	25	41	75	84	246
" 12	11	14	56	94	123	298
" 13	20	17	34	35	54	160
" 15	36	50	109	153	162	510
" 17	11	26	48	54	102	241
" 18	3	11	29	50	60	153
" 19	39	36	65	74	85	299
" 20	39	45	82	104	133	403
" 21	19	46	78	113	155	411
Totals	360	577	1084	1431	1927	5379
Female No. 1	47	64	89	94	86	380
" 2	25	62	69	89	137	382
" 3	8	21	24	43	56	152
" 4	20	36	43	53	91	243
" 5	19	43	56	76	90	284
" 6	47	99	125	125	114	510
" 7	19	41	59	75	95	289
" 8	39	50	95	122	124	430
" 10	21	32	71	93	136	353
" 11	22	27	56	97	101	303
" 12	12	28	43	82	111	276
" 13	30	23	63	52	56	224
" 15	56	103	136	168	191	654
" 17	28	33	44	72	92	269
" 18	15	24	28	50	38	155
" 19	37	71	50	74	73	305
" 20	62	58	93	114	137	464
" 21	55	90	138	127	189	599
Totals	562	905	1282	1606	1917	6272

The reports of No. 9 and No. 16 are included under "Mixed Schools."

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT

TABLE E—Continued.

PRIMARY SCHOOLS.	Third Grade.	Second Grade.	First Grade.	Totals.	PRIMARY SCHOOLS.	Third Grade.	Second Grade.	First Grade.	Totals.
Male No. 1....	87	109	138	334	Female No. 1..	99	114	136	349
" 2....	29	39	128	196	" 2..	31	52	108	191
" 3....	64	67	168	299	" 3..	69	56	188	313
" 4....	63	53	135	251	" 4..	42	66	114	222
" 5....	87	93	250	430	" 5..	117	112	211	440
" 6....	95	111	238	444	" 6..	94	105	243	442
" 7....	30	67	115	212	" 7..	44	44	106	194
" 8....	49	49	111	209	" 8..	51	65	124	240
" 10....	42	73	120	235	" 10..	37	65	110	212
" 11....	135	184	235	554	" 11..	127	136	224	487
" 12....	80	105	195	380	" 12..	67	117	221	405
" 13....	23	32	139	194	" 13..	20	35	133	188
" 14....	119	111	126	356	" 14..	77	100	130	307
" 15....	113	115	177	405	" 15..	127	103	171	401
" 16....	35	71	157	263	" 16..	71	74	91	236
" 17....	65	68	156	289	" 17..	65	77	144	286
" 18....	60	76	110	246	" 18..	85	81	103	269
" 20....	130	132	344	606	" 20..	164	159	226	549
" 21....	61	110	203	374	" 21..	60	91	165	316
" 22....	72	110	208	390	" 22..	78	114	151	343
" 23....	63	104	185	352	" 23..	75	69	200	344
" 24....	58	91	291	440	" 24..	51	120	268	439
" 25....	38	48	131	217	" 25..	37	48	137	222
" 26....	62	77	97	236	" 26..	73	71	105	249
" 27....	60	94	206	360	" 27..	76	87	231	394
" 28....	56	96	132	284	" 28..	39	68	143	250
" 29....	26	42	87	155	" 29..	39	27	87	153
" 30....	129	183	316	628	" 30..	144	162	242	548
" 31....	63	64	94	221	" 31..	42	59	98	199
" 32....	69	93	157	319	" 32..	72	106	122	300
" 33....	48	94	214	356	" 33..	62	82	180	324
Totals.....	2111	2761	5363	10235	Totals.....	2235	2665	4912	9812

The report of No. 19 is included under "Mixed Schools."

TABLE E—Continued.

MIXED SCHOOLS.	8th grade		7th grade		6th grade		5th grade		4th grade		3d grade.		2d grade.		1st grade.		Totals.	
	Males.	Fem.	Males.	Fem.	Males.	Fem.	Males.	Fem.	Males.	Fem.	Males.	Fem.	Males.	Fem.	Males.	Fem.	Males.	Females.
M. G. & P. No. 9	....	....	8	....	11	....	14	....	18	....	23	....	38	....	37	....	149	.....
F. G. & P. " 9	....	10	....	...	....	12	....	13	....	29	....	9	....	24	....	47	.....	144
Male Gram. " 16	....	....	3	....	6	....	11	....	33	....	44	....	45	....	176	....	318	.....
Fem. Gram. " 16	....	....	....	3	....	4	....	11	....	24	....	43	....	41	....	170	.....	296
Eng.-Ger. " 1	10	....	7	13	24	21	25	22	43	31	59	50	62	57	82	78	312	272
" " 2	4	5	9	6	20	20	48	33	64	57	78	77	120	100	252	187	595	485
" " 3	6	8	19	14	27	26	72	56	88	94	175	129	161	141	266	162	814	630
" " 4	....	....	7	12	29	17	68	47	91	77	133	110	181	140	226	173	735	576
" " 5	5	9	21	20	38	28	51	54	57	56	82	93	56	71	125	101	435	432
M. & F. P. " 19	....	....	....	....	....	....	....	....	....	....	15	16	28	27	46	25	89	68
*H. & G. Col'd No. 1	24	37	39	74	92	141	185	252	....	....	....	....	....	....	....	....	340	504
Male Col'd No. 1	....	....	....	....	....	....	....	....	29	....	40	....	52	....	104	....	225	.....
" " 2	....	....	....	....	....	....	....	....	39	....	43	....	43	....	142	....	267	.....
" " 3	....	....	....	....	....	....	....	....	50	....	70	....	82	....	174	....	376	.....
" " 4	....	....	....	....	....	....	....	....	67	....	87	....	90	....	156	....	400	.....
" " 5	....	....	....	....	....	....	....	....	10	14	13	18	34	27	77	76	134	135
" " 6	....	....	....	....	....	....	....	....	22	....	48	....	56	....	135	....	261	.....
" " 7	....	....	....	....	....	....	....	....	12	....	65	....	77	....	263	....	417	.....
" " 8	....	....	....	....	....	....	....	....	21	....	42	....	83	....	161	....	307	.....
" " 9	....	....	....	....	....	....	....	....	19	....	74	....	98	....	243	....	434	.....
Fem. Col'd " 1	....	....	....	....	....	....	....	....	....	62	....	70	....	96	....	126	.....	354
" " 2	....	....	....	....	....	....	....	....	....	23	....	55	....	38	....	169	.....	285
" " 3	....	....	....	....	....	....	....	....	....	53	....	36	....	42	....	249	.....	380
" " 4	....	....	....	....	....	....	....	....	....	36	....	79	....	105	....	182	.....	402
" " 6	....	....	....	....	....	....	....	....	....	22	....	28	....	69	....	152	.....	271
" " 7	....	....	....	....	....	....	....	....	....	62	....	102	....	160	....	430	.....	754
" " 8	....	....	....	....	....	....	....	....	....	27	....	46	....	92	....	171	.....	336
" " 9	....	....	....	....	....	....	....	....	....	35	....	68	....	77	....	252	.....	432
Totals, Males	49	....	113	....	247	....	474	....	663	....	1091	....	1306	....	2665	....	6608	.....
" Females	....	69	....	142	....	269	....	488	....	702	....	1029	....	1307	....	2750	.....	6756

*See also under "High School and Manual Training Course."

TABLE E—Continued.

ANNEX SCHOOLS, &C.	8th grade		7th grade		6th grade		5th grade		4th grade		3d grade.		2d grade.		1st grade.		Totals.	
	Males.	Fem.	Males.	Fem.	Males.	Fem.	Males.	Fem.	Males.	Fem.	Males.	Fem.	Males.	Fem.	Males.	Fem.	Males.	Fem.
Annex No. 1	....	....	....	....	5	12	16	8	17	18	21	21	21	24	45	49	125	132
" " 2	14	18	21	28	22	30	24	28	52	45	50	54	70	59	87	107	340	369
" " 3	10	11	16	32	33	47	27	47	40	51	....	....	....	....	....	....	126	188
" " 4	....	....	....	....	....	....	....	....	....	....	48	39	51	55	94	77	193	171
" " 5	....	....	....	....	....	....	....	....	....	....	33	40	28	44	78	74	139	158
" " 6	4	5	13	18	11	22	26	27	38	46	....	....	....	....	....	....	92	118
" " 7	5	5	10	11	7	15	15	16	26	17	38	31	36	34	50	67	187	196
" " 8	....	....	4	4	9	7	19	23	26	33	27	31	48	33	72	75	205	206
" " 9	3	2	5	6	6	8	9	11	14	14	22	15	34	22	45	35	138	113
" " 10	4	3	5	4	8	8	14	9	17	14	22	19	20	16	26	26	116	99
" " 11	4	6	7	7	6	12	16	10	19	20	26	31	40	22	41	43	159	151
" " 12	....	....	9	3	15	9	29	15	38	42	47	51	57	60	168	119	363	299
" " 13	2	....	6	4	11	11	15	23	41	30	59	65	78	64	144	134	356	331
" " 14	....	....	1	1	3	2	5	4	4	7	6	3	3	2	8	14	30	33
" " 34, Male	....	....	....	....	....	....	....	....	....	....	33	....	73	....	111	....	217	.....
" " 34, Female	....	....	....	....	....	....	....	....	....	....	....	48	....	50	....	105	.....	203
" " 1, Colored	....	....	....	....	....	....	....	5	3	3	5	7	17	8	42	33	67	56
" " 3, "	....	....	....	....	2	....	....	1	....	1	3	3	3	7	15	12	23	24
Totals, Annex	46	50	97	118	138	183	215	227	335	341	440	458	579	500	1026	970	2876	2847
In M. G. Schools	360	....	577	....	1084	....	1431	....	1927	....	....	....	....	....	....	....	5379	.....
" F. G. "	....	562	....	905	....	1282	....	1606	....	1917	....	....	....	....	....	....	.....	6272
" M. P. " *	....	....	....	....	....	....	....	....	....	....	2111	....	2761	....	5363	....	10235	.....
" F. P. " *	....	....	....	....	....	....	....	....	....	....	....	2235	....	2665	....	4912	.....	9812
" Mixed "	49	69	113	142	247	269	474	488	663	702	1091	1029	1306	1307	2665	2750	6608	6756
Males	455	....	787	....	1469	....	2120	....	2925	....	3642	....	4646	....	9054	....	25098	.....
Females	....	681	....	1165	....	1734	....	2321	....	2960	....	3722	....	4472	....	8632	.....	25687

*See note on next page.

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE E—Concluded.

RECAPITULATION.

	Males.	Females.	Total.
Number in Fifth year (High)	20	.....	20
" Fourth "	46	130	176
" Third " & M. T.	101	169	270
" Second " "	142	218	360
" First " "	325	404	729
" Preparatory Dept. (M. T.)	203	.....	203
Totals	837	921	1,758
Number in Eighth Grade (Grammar)	455	681	1,136
" Seventh " "	787	1,165	1,952
" Sixth " "	1,469	1,734	3,203
" Fifth " "	2,120	2,321	4,441
" Fourth " "	2,925	2,960	5,885
Totals	7,756	8,861	16,617
Number in Third Grade (Primary)*	3,642	3,722	7,364
" Second " " *	4,646	4,472	9,118
" First " " *	9,054	8,632	17,686
Totals	17,342	16,826	34,168
Number in High and Manual Course	837	921	1,758
" Grammar School "	7,756	8,861	16,617
" Primary " "	17,342	16,826	34,168
Aggregate	25,935	26,608	52,543

Evening School No. 1 266

*In Female Primary No. 8 are — boys, which are counted with the males on this page and the preceding page.

REPORT

— OF THE —

Assistant Superintendent of Public Instruction.

BALTIMORE, January 1st, 1892.

HENRY A. WISE,

Superintendent of Public Instruction.

DEAR SIR:

The following table will show the result of the last examination of the pupils of the third grade for promotion to the grammar department:

SCHOOLS.	Roll.	Number examined.	Number passed.	Number promoted.	Of number examined.		Of number on roll.	
					Percentage passed.	Percentage promoted.	Percentage passed.	Percentage promoted.
Male Primary....	1,894	1,739	1,507	1,591	86.6	91.5	79.5	84.0
Female Primary.	1,916	1,781	1,568	1,643	88.0	92.2	81.8	85.7
English-German.	773	713	531	574	74.4	80.0	68.6	74.2
Annex.....	700	624	468	484	75.0	77.5	66.8	69.1
Male Colored....	359	319	214	214	67.0	67.0	59.6	59.6
Female Colored..	366	329	248	253	75.4	76.9	67.7	69.0
Total	6,008	5,505	4,536	4,759	82.3	86.4	72.1	79.2
Private Schools..	.....	17	15	16				

The foregoing exhibit shows satisfactory results in the primary department of each separate class of schools. The colored schools have attained a higher standard than they have reached at any time in the past. Schools must necessarily differ, according to location, the home-training of the pupils, the material composing the school and various other circumstances. We therefore look for results corresponding to these various surroundings, but it should be our aim to secure unity of purpose and action so essentially necessary to a large school system.

Examinations should disclose two facts: First, the mental development of the pupil; second, what the pupil knows. The first shows how well he has been taught and tests the skill and ability of the teacher; the second gives evidence of the possession of sufficient knowledge to enable the pupil to pursue the work of the next higher grade.

Examinations cannot positively determine who are unmistakably prepared to enter upon a higher course of study; for, sometimes, the best scholars, from various causes, give, either to themselves or their teachers, very little credit, while the poorest often shine with unexpected brilliancy.

The examination work has therefore been prepared with such care, and such methods of conducting the examination have been adopted, as may reasonably discover the accuracy and extent of the knowledge in

the possession of the pupil, and, at the same time, test the skill and ability of the teachers.

This fulfils to the extent possible the purpose of written examinations.

But there is one point, in connection with the subject of the examination and promotion of pupils, to which I desire to direct your attention.

Many suppose that pupils in the primary grades are advanced too rapidly, although there are very few cases that have come under my observation; but it is quite certain that there are many schools where the pupils are kept in the lower classes too long. In our system of yearly promotions, this is an evil which brings with it a long train of disadvantages to the pupils. It retards their progress through the schools and thereby renders their life in the school a period of monotonous trifling.

From the reports of last December, I find in the Male Primary Schools, of the number on roll, 10,392 pupils, 4,655 who were at that time over nine years of age. In the Female Primary Schools, 4,095, of 9,812, the number on roll, who were over nine years of age. In the English-German Schools, the Annex and Colored Schools, the reports are not so arranged as to ascertain the exact number, but I am satisfied that the same, if not a greater, percentage of pupils in the primary classes of such schools are over nine years of age.

Standard educational authorities have stated that the aim should be to get children into the grammar schools between the ages of nine and ten. There is no doubt that in many cases pupils by reason of their environment and exceptional privileges of correct home training can accomplish the work of the primary grades in less than three years, but from an examination of the statistics this does not appear to have been done to any great extent.

Why is it, that so many pupils reach the ages of ten, eleven and twelve before entering upon the grammar school course? This question is deserving of patient and thorough investigation. Many interests depend upon its proper solution. The age in which we live demands that, with the great majority of the pupils of the public schools, no more time should be spent in acquiring an education than is absolutely required. A year or two wasted in school-life may possibly be the initial cause of a wasted career. Thousands upon thousands are to-day lamenting the folly of having neglected early opportunities to fit and prepare themselves for correct and proper living. How much of this failure may be charged to us as educators of the young, cannot be determined, but I am sure that we are not entirely guiltless.

There are several reasons given for this condition, such as the age of the pupil upon entering school, the continuity of attendance, physical condition and mental ability, and the outside influences which mar the

efforts of the teacher. All these taken together do not account for the unreasonably large numbers of old pupils in the primary grade classes. This condition indicates inefficient teaching or mismanagement, or both. That there is inefficient teaching is true. That there is mismanagement is also true. But that only the principals are directly chargeable with this condition is not in every case true. The rules of the Board fix an average attendance of 35 in the first grade, as the number to be placed in charge of a teacher. Counting 75 per cent. as the average attendance of this grade, which is usually the case, the roll number would not be greater than 48. Instead of 48 being the average roll, I find in many schools the classes in this grade to contain 60 and sometimes 70 pupils in the charge of one teacher.

In addition to this, while the Board has by its action in giving to the teacher of this grade a larger salary than other assistants, declared its intention that the most efficient teacher shall be placed in charge of this class, yet in many schools where there are more classes of this grade than one we find the least experienced teacher in charge of those classes. The consequence of this is that the first year's work of such a teacher is one of trial and experiment, and I may add, in the majority of cases a year of inevitable failure. In every such case this result adds at least one year to the school life of such primary school pupil. How much more time is added by reason of the evils incident to vicious and improper instruction cannot be computed.

There is no doubt that infinite injury is inflicted by such teachers who work, blindly stumbling about, groping for a correct method. A girl, fresh from the high school, has little conception of the duties and responsibilities of training very young children in such a way as to insure in the future a perfect or reasonable success Such should be trained in the groundwork and principles of education before being placed in charge of any class and especially of one of children who are just beginning their school life. We should first educate and train teachers for the primary schools in order to broaden their intelligence, to cultivate their conscience and to give them a superior appreciation of the importance and dignity of their profession. Until this is the practice in our school system, we will have a weak teaching power, and in consequence thereof a lengthening of the school life of the pupils of our schools. If Baltimore is willing to spend hundreds of thousands of dollars in order to maintain our public schools, it certainly is the part of wisdom to see that this money is economically used by making our graduates competent and serviceable teachers and not wasted by employing them before they have acquired a pedagogical training.

In connection with this subject, I desire to quote from my report of 1888 :

"The primary schools which, reasoning from correct educational principles, should have the best talent and teaching ability that can be procured, are made the

training ground for grammar school supply. This is owing to the fact that assistant teachers are paid according to the position they occupy, instead of for their efficiency and experience. There should be no difference between the salaries of assistants in primary and grammar schools. Experience and ability acquired through that experience should have equal compensation in both departments. If this were done teachers could be placed where they can do the best work and where their services are most required. This would work to a great advantage in our system, as it does in that of nearly every large city in the United States."

The Primary Schools have not yet arrived at perfection, but they are in a fairly good condition. The teachers as a class are faithful in the discharge of their duties and earnest in striving to acquire better and improved methods of training the mental capacities of the young. The unusual amount of sickness among teachers and children during the past year has interfered considerably with the advancement of pupils, but notwithstanding this there has been a steady improvement in the personnel of the corps, and a noticeable advancement along the lines of educational progress. This is evidenced by the diminution in the number of cases of corporal punishment which is one of several indications of improved discipline which has taken place during the past few years. This also leads to a higher standard of scholarship, a greater regularity of attendance and increased punctuality. Our schools are not only valuable in imparting knowledge of books

but in teaching respect for law and order and in developing habits of neatness and promptness. This our teachers are trying to do, and with gratifying success.

There is a vast improvement in the sanitary condition of our school houses. The new buildings recently erected with an improved system of heating and ventilation have proved to be a promoter of health and morals among the children. The old time out-door closets, reeking with filth, occasioned by the immodest behavior of boys not trained to habits of decent behavior, and by others, driven to the same practices by self protection from the indecencies of others, have been replaced with the dry closet system. Although objected to by some, my experience, obtained by constant and close observation of the system, convinces me it is a great advance in educating the young in decent habits and correct rules of preserving health.

My association with the members of the Board, its officers and the teachers during the year has been agreeable and pleasant. The labor and responsibility of my position are increasing year by year and its multifarious duties are becoming more exacting as the size and importance of the system increases. As a consequence I have been compelled to give nearly all my time and attention to the matter of general superintendence, neglecting to a considerable extent the matter of examining classes. In some cases where ob-

servation and inquiry convinced me that the necessity existed, the classes were thoroughly examined. To have done all that my experience convinces me should have been done was utterly impossible. That I did all that it was possible for me to do I am frank enough to assert. Your encouragement and support in my effort to perform my whole duty are appreciated and acknowledged.

JOHN E. McCAHAN.

Assistant Superintendent.

REPORT

OF THE

Superintendent of Supplies.

BALTIMORE, December 31st, 1891.

To the Board of Commissioners
of Public Schools.

GENTLEMEN:

In presenting the sixth annual report of this office, I desire first to express my thanks for the uniform kindness with which you have treated me, and for the courteous attention you have paid to my suggestions.

Early in the year, Annex School No. 13, situated on the corner of North avenue and Washington street, was completed and turned over to this department. It was furnished, and on April 30th the scholars were transferred to it from the buildings on Mine Bank lane, where, for a period beginning shortly after the establishment of the school, the accommodations were entirely inadequate, and the comforts only such as can possibly be had in buildings designed for other uses. The new building contains fourteen class-rooms, and

the conveniences of teachers' rooms and cloak-rooms, which add so much to the comfort of teachers and scholars It has the complete Smead system of heating, ventilating and dry-closets. Its design is ornate, and being on elevated ground, adds much to the attractiveness of the neighborhood.

Additions and improvements to school buildings during the year were made by the Inspector of Buildings, under special authority of the Mayor and City Council, as follows:

Grammar School No 7. An addition of four rooms, with the Smead system of heating and ventilation applied to the addition, and that of dry-closets to the whole building. The latter made it possible to use more space for the addition than would have been possible if the water-closet system had been retained, (unless more ground had been secured), and besides, gave more freedom in the yard for recreation.

Grammar School No. 16. The erection of a second story to the building doubled its capacity, which is now of sixteen rooms. As this building was completed too late to allow time for re-arranging and adding to its heating apparatus without seriously delaying the work of the school, connection was made with the furnaces already in place. It was not believed that the furnaces could supply sufficient heat for the whole building, and on several days it has been necessary to move classes from their rooms to others, and force all

the heat to the occupied rooms. During next summer it will be necessary to put up additional furnaces, and re-arrange those now in place, with a view to securing sufficient heat and economical use of fuel.

Grammar School No. 17. An addition of six rooms, and the re-arrangement of partitions, &c., whereby corridors were provided in a building where formerly, because of the absence of corridors, there could be no privacy in class-rooms, and where there existed much fear of danger in the event of a panic. The building is heated with stoves.

English-German School No. 4. An addition of eight rooms, and the re-arrangement of partitions, whereby better accommodations for classes were secured. In the new part the Smead system of heating and ventilating, with dry-closets for the whole school, was introduced.

Annex School No. 2. The erection of an addition of such character as to unite the two separate buildings into one compact structure with four additional rooms, besides such re-arrangements as to provide additional facilities for good and comfortable work.

Male Grammar No. 15. Remodeled so as to provide for the separation of classes, and for the rapid ingress and egress of scholars by means of corridors.

By reason of the erection of additions to buildings, it was possible to surrender the following-named pieces of

rented property: A church corner Hull street and Fort avenue, formerly used as a branch of Female Grammar School No. 16; a hall on York road, formerly used as a branch of Annex No. 2; two houses on Mine Bank lane, formerly used by Annex School No. 13. There is no work of this office which gives as great pleasure as the surrender of rented property, marred by reason of the large expense we are forced to incur in putting that property in order. Besides the relinquishing of the above mentioned property, the erection of the additions enabled us to make the following changes, all except the last two being desirable: Scattered classes of English-German School No. 4 were gathered together in the main building. Classes of Grammar School No. 7 were transferred from the old building of Primary School No. 24, to their proper place. Accommodations for classes of Primary School No. 27 were provided in the building of Grammar School No. 17. And accommodations for classes of Female Grammar School No. 15 were provided in the building of Male Grammar School No. 15.

Owing to the increase of scholars, and the insufficiency of accommodations, branches were rented for Female Grammar No. 6 and Colored School No. 8, while the rented house formerly used by Female Grammar School No. 21 as a branch, was assigned to Colored School No. 9, and another house was rented for the use of Female Grammar School No. 21. In this connection I beg to repeat what I have urged in a previous report, namely, that it is mistaken economy to build

our school houses so small, and that the effect of such action is to hamper the work of the schools. In every case where additions have been made to school houses since my connection with the office, there has been serious increase in expense over what would have been the case if the building had been constructed sufficiently large at first. And not only does the City incur expense because of the necessary changes, and because of the erection of an additional wall, but in many cases before the addition is erected, there is considerable expense for rent, and after the addition is erected, considerable expense for restoring the rented property to its original condition. It gives me pleasure to notice that there is a growing disposition on the part of the municipality to provide for larger buildings.

In the spring, the house occupied by Grammar and Primary Schools No. 19 was sold to the Belt Railroad Company, and an appropriation made for a new building for these schools. As it was necessary for the schools to be moved from the building at once, the best accommodations obtainable were rented for them. The four rented houses were fitted up with old furniture, and with as much comfort as the limited accommodations allowed, but I feel that teachers, scholars and patrons, as well as yourselves, will rejoice with me when the new house is ready for occupancy.

The one new building, and all the additional rooms, were furnished with new furniture, the old stock on hand not being sufficient to supply the demands for

increased accommodations in old class-rooms. Although, as usual, the furniture had to be made and put into place with great haste, it has given great satisfaction. I feel, though, that it would be better if we allowed more time for the furnishing of a school, and that by taking a little extra time at the first, some future expense might be saved.

The following articles of new furniture were purchased during the year:

473 No. 1 desks, 116 No. 1 rear seats, 777 No. 2 desks, 120 No. 2 rear seats, 665 No. 3 desks, 94 No. 3 rear seats, 11 principals' desks, 91 assistants' desks, 535 chairs, 14 large book cases, 84 small book cases, 201 slate boards, 20 wardrobes, 101 umbrella stands, 11 washstands, 13 tables, 6 principals' platforms, 78 assistants' platforms, and 107 galvanized ash cans. The number of pupils' desks renovated and put in perfect order was 4,535, besides 910 rear seats. In the absence of our present system, much of that old material would have been thrown out and new substituted (at a cost equalling three times the expense of renovation), or the scholars would have been compelled to try to write over desks which had been badly cut by their predecessors.

I am happy to say that, thanks to the liberality of the Mayor and City Council in making the appropriation, it was possible to supply the schools with nearly all the coal and wood they require for the season.

The orders in the spring will probably be mostly for schools and branches where the accommodations are inadequate.

The usual repairs, whitewashing and cleaning, were done in the summer. Pursuing the policy inaugurated in recent years to put clean, permanent coatings on the walls of new houses, some kalsomining was done at Baltimore City College, Male Grammar School No. 6, and Primary Schools Nos. 8, 11, 14 and 23.

After fuller observation and experience, I desire to express my unqualified approval of the Inspector of Buildings' course in providing for the Smead system of heating, ventilating and dry-closets in all the buildings where the appropriation is sufficient. In only one case has it been considered necessary to dismiss a part of a school where it is in use, because of insufficient heat; and in that case (one class only) the slight disarrangement of a chain could have been corrected by any ordinary workman in five minutes, without interfering with the class. As it was, it was corrected immediately after the trouble was reported. In one case a school was dismissed, but investigation showed that it was due to a failure to report a shortage of fuel. There are complaints by some teachers, but they proceed either from circumstances over which the system has no control, (such water in the cellar), or from an indisposition or failure on part of those entrusted with its working to follow the simple directions for its use. Happily, all these things are being cor-

rected. It gives me pleasure to say that the Inspector of Buildings has acceded to our request that he apply for sufficient appropriation to provide for the introduction of the dry-closet system in Primary School No. 23. If his request is granted, teachers and pupils will be permitted to work without the continual inhalation of offensive odors and gases.

In the tables accompanying this, you will find a complete inventory of the furniture and heating apparatus in the schools, with their estimated value at this time, the basis generally being two-thirds of the cost.

In addition to thanking you for your kind treatment, I take this public manner of acknowledging the patience and the courtesy shown me, and the assistance rendered, by the officers of the Board, the teachers and other employees.

Very respectfully,

C. W. KEIDEL,

Superintendent of Supplies.

INVENTORY OF FURNITURE, HEATING APPARATUS, &c., IN THE SCHOOLS, DECEMBER 31, 1891.

SCHOOLS.	Pupils' Desks.	Rear Seats.	Settees.	Teachers' Desks.	Chairs.	Book Cases.		Black Boards.	Clocks.	Organs.	Pianos.	Wardrob's	Umbrella Stands.	Wash Stands.	Tables.	Furnaces.	Stoves.	Screens.	Estimated Valuation.
						Large	Small												
Baltimore City College	593	56	78	16	130	19	1	16	13	1	....	2	....	....	8	4	....	....	$6,850 00
East. Fem. High School	331	25	84	24	125	7	.....	22	3	....	2	....	....	....	12	4	2	2	4,946 00
West. Fem. High School	418	32	159	15	115	14	7	32	2	1	1	....	....	....	9	5	1	2	4,715 00
Manual Train'g School	256	46	....	12	954	14	.....	wall	13	1	....	....	....	....	16	2	....	....	5,356 00
Totals.....	1598	159	321	67	1424	54	8	70	31	3	3	2	....	....	45	15	3	4	$21,867 00
Male Grammar No. 1..	260	39	....	10	36	2	6	24	2	1	....	1	1	1	1	6	1	2	$2,113 00
" " " 2..	447	42	....	10	30	2	10	wall	2	1	....	1	1	1	1	Smead	1	1	2,175 00
" " " 3..	124	20	2	7	19	1	9	16	1	1	....	2	....	....	1	6	1	1	1,684 00
" " " 4..	180	29	2	8	28	1	7	25	1	1	....	2	1	1	2	....	8	16	1,265 00
" " " 5..	173	26	....	7	18	3	6	18	2	1	....	....	....	1	1	....	8	12	1,187 00
" " " 6..	293	44	....	12	24	1	9	24	1	1	....	....	6	1	....	5	3	4	2,105 00
" " " 7..	227	38	....	9	24	2	10	25	1	1	....	1	2	1	1	5	1	2	2,210 00
" " " 8..	248	46	2	10	40	2	14	wall	2	1	....	2	3	3	1	Smead	1	....	2,380 00
" G. and P. " 9..	125	14	3	10	18	1	7	20	2	1	....	....	....	....	....	....	7	7	583 00
" Grammar " 10..	186	28	1	8	26	2	9	32	2	1	....	1	....	1	1	....	8	16	1,375 00
" " " 11..	188	32	....	8	24	2	7	13	1	1	....	1	....	1	1	5	1	2	1,826 00
" " " 12..	226	31	....	9	14	1	6	17	1	1	....	2	1	....	1	5	2	3	1,840 00
" " " 13..	161	29	10	8	22	3	4	20	1	1	....	1	....	1	....	....	7	12	1,110 00
" " " 15..	421	63	....	16	36	12	1	48	2	2	....	....	2	....	....	5	....	....	2,817 50
" " " 16..	210	32	....	8	30	2	7	24	1	1	....	....	2	4	1	4	1	2	2,430 00
" " " 17..	215	30	....	10	32	2	7	23	1	1	....	1	4	1	....	....	10	18	1,285 00
" " " 18..	163	28	3	8	19	2	4	23	1	1	....	1	1	1	1	4	2	3	1,606 00
" " " 19..	162	20	....	7	19	2	2	13	2	1	....	1	1	....	....	....	6	10	980 00
" " " 20..	200	32	....	8	30	2	8	wall	1	1	....	1	2	1	1	Smead	1	....	2,056 00
" " " 21..	224	40	....	9	23	1	6	17	1	1	....	1	2	1	1	....	10	18	1,535 00
Totals, Male Gram..	4433	659	23	182	512	46	139	382	28	21	....	19	29	20	15	45	79	129	$34,562 50

INVENTORY OF FURNITUTURE, HEATING APPARATUS, &c.—Continued.

SCHOOLS.	Pupils' Desks.	Rear Seats.	Settees.	Teachers' Desks.	Chairs.	Book Cases. Large	Book Cases. Small	Black Boards.	Clocks.	Organs.	Pianos.	Wardrob's	Umbrella Stands.	Wash Stands.	Tables.	Furnaces.	Stoves.	Screens.	Estimated Valuation.
Female Gram. No. 1..	248	40	38	10	26	3	5	36	1	....	1	1	2	1	1	6	1	2	$2,550 00
" " " 2..	437	42	....	10	30	2	10	wall	1	1	....	1	2	1	1	a	1	1	2,130 00
" " " 3..	136	19	....	6	17	2	7	17	1	1	....	....	....	....	1	a	1	1	750 00
" " " 4..	167	26	15	7	24	2	7	24	1	1	1	1	2	1	2	....	8	16	1,490 00
" " " 5..	156	25	4	8	15	2	6	19	1	1	....	....	....	1	1	....	7	9	1,040 00
" " " 6..	222	30	12	7	26	2	6	24	1	....	1	1	4	....	1	a	1	2	1,320 00
" " " 7..	227	38	....	9	24	2	10	25	1	1	....	1	2	1	1	a	1	2	2,200 00
" " " 8..	248	46	8	10	40	2	14	wall	1	1	....	1	2	1	1	a	1	....	2,400 00
" G. and P. " 9..	87	10	....	6	15	2	1	10	1	1	....	....	1	....	....	....	7	12	560 00
" Grammar " 10.	175	29	3	7	24	3	4	26	3	1	....	1	2	....	1	....	7	14	1,300 00
" " " 11..	192	28	....	7	26	2	7	16	2	1	....	4	....	1	1	a	1	1	1,150 00
" " " 12.	219	28	5	9	36	1	6	22	1	1	....	1	2	....	1	a	1	2	1,175 00
" " " 13..	174	32	7	7	24	2	7	22	1	1	....	1	....	....	....	....	7	12	1,162 00
" " " 15..	303	42	....	11	35	2	10	14	2	....	1	2	4	2	....	4	2	2	2,528 00
" " " 16..	210	32	....	8	30	2	7	24	1	1	....	1	2	4	1	a	1	2	1,830 00
" " " 17..	215	30	....	10	32	2	7	23	1	1	....	1	4	1	....	....	10	18	1,285 00
" " " 18..	162	27	11	8	26	1	2	20	1	1	....	1	1	1	1	a	....	....	880 00
" " " 19..	142	20	....	5	24	1	4	16	1	....	1	1	1	1	1	....	5	10	1,075 00
" " " 20..	200	32	....	8	36	2	8	wall	1	1	....	1	2	1	1	Smead	1	....	2,075 00
" " " 21..	254	41	...	10	24	1	7	22	1	1	....	1	1	1	1	....	9	16	1,580 00
Totals, F. Grammar.	4174	617	103	163	534	38	135	360	24	16	5	21	34	18	17	10	70	122	$30,460 00
Eng.-German No. 1..	343	42	2	13	25	7	1	28	2	2	....	....	....	....	....	....	13	15	$1,930 00
" " " 2..	535	72	....	20	43	.....	16	44	2	2	....	4	4	2	4	6	2	2	3,610 00
" " " 3..	565	84	....	26	48	2	19	49	2	2	....	2	....	....	2	2	10	14	3,875 00
" " " 4.	590	72	....	24	49	.....	16	46	2	2	....	4	1	2	2	6	2	2	3,950 00
" " " 5..	400	64	....	18	50	1	15	wall	2	1	....	2	2	2	2	Smead	1	....	3,750 00
Totals, Eng.-Ger....	2433	334	2	101	215	10	67	167	10	9	....	12	7	6	10	14	28	33	$17,015 00

INVENTORY OF FURNITURE, HEATING APPARATUS, &c.—Continued.

SCHOOLS.	Pupils' Desks.	Rear Seats.	Settees.	Teachers' Desks.	Chairs.	Book Cases. Large	Book Cases. Small	Black Boards.	Clocks.	Organs.	Pianos.	Wardrob's	Umbrella Stands.	Wash Stands.	Tables.	Furnaces.	Stoves.	Screens.	Estimated Valuation.
Male Primary No. 1..	228	52	2	12	38	1	9	26	1	1	....	1	3	1	1	a	1	1	$2,090 00
" " " 2..	116	18	2	7	18	1	5	18	1	1	....	....	....	....	....	....	5	9	800 00
" " " 3..	142	27	....	6	20	1	7	18	1	1	....	2	....	1	....	a	1	1	815 00
" " " 4..	147	24	5	6	18	3	5	20	1	1	....	....	....	1	2	....	6	12	1,040 00
" " " 5..	235	33	3	6	20	2	7	26	1	1	....	1	1	....	....	6	1	1	2,100 00
" " " 6..	212	36	....	9	28	1	7	28	1	1	....	2	2	....	1	....	10	16	1,525 00
" " " 7..	121	24	....	6	24	1	5	14	1	1	....	1	1	....	....	2	3	6	1,000 00
" " " 8..	202	38	....	8	26	1	6	8	1	1	....	1	....	....	....	....	9	17	1,220 00
" " " 10..	127	21	2	7	18	2	3	22	1	1	....	....	....	....	....	....	6	9	940 00
" " " 11..	292	38	....	10	28	2	8	10	2	1	....	1	....	....	2	6	1	2	2,876 00
" " " 12..	187	33	....	7	26	3	8	24	1	1	....	1	....	1	2	....	7	8	1,175 00
" " " 13..	172	26	....	6	30	1	5	wall	1	1	....	1	2	1	1	Smead	1	....	1,635 00
" " " 14..	179	27	....	8	28	1	6	18	1	1	....	2	1	....	1	5	....	....	1,755 00
" " " 15..	199	20	....	9	24	1	6	18	1	1	1	....	....	1	....	....	9	10	1,350 00
" " " 16..	196	27	5	6	20	1	4	19	1	1	....	1	....	....	1	5	....	....	1,840 00
" " " 17..	161	33	....	6	14	1	2	18	1	1	....	1	1	....	1	....	8	14	990 00
" " " 18..	159	26	....	6	26	1	3	18	1	1	....	1	1	....	1	....	7	14	1,000 00
M. & F. Prim. " 19.	145	22	....	7	18	2	5	16	1	1	....	....	1	....	....	....	5	5	875 00
Male Primary No. 20..	375	52	....	17	29	2	13	48	2	1	....	1	1	1	1	....	16	34	2,140 00
" " " 21..	184	31	....	5	11	2	14	16	1	1	....	1	1	1	1	....	7	10	1,100 00
" " " 22..	245	38	11	10	24	1	8	24	1	1	....	....	....	1	....	....	9	14	1,185 00
" " " 23..	194	26	....	6	19	1	5	8	1	1	....	1	....	....	1	4	1	2	1,910 00
" " " 24..	252	40	....	9	36	2	8	wall	1	1	....	1	2	....	1	Smead	1	....	2,090 00
" " " 25..	129	21	....	8	14	1	2	14	1	1	....	1	....	1	1	....	5	6	830 00
" " " 26..	119	20	4	7	11	1	4	14	1	1	....	....	....	....	....	....	5	6	780 00
" " " 27..	185	30	....	7	18	1	6	26	1	1	....	....	....	....	....	....	8	14	1,240 00
" " " 28..	151	24	....	6	18	1	6	24	1	1	....	1	....	1	1	....	6	12	1,080 00
" " " 29..	196	24	....	6	18	1	6	10	1	1	....	1	....	1	1	4	1	1	1,940 00
" " " 30..	293	46	....	10	24	2	6	25	4	1	....	1	....	2	2	4	1	4	2,200 00
" " " 31..	152	28	....	6	29	1	5	wall	1	1	....	1	4	1	1	Smead	1	1	1,800 00
" " " 32..	168	24	....	6	24	1	5	wall	1	1	....	1	1	1	1	Smead	1	1	1,625 00
" " " 33..	168	24	....	6	24	1	5	wall	1	1	....	1	1	1	1	Smead	1	1	1,625 00
Totals, Male Prim...	6031	943	34	241	717	44	194	530	37	32	1	27	23	17	25	36	143	231	$46,571 00

INVENTORY OF FURNITURE, HEATING APPARATUS, &c.—Continued.

SCHOOLS.	Pupils' Desks.	Rear Seats.	Settees.	Teachers' Desks.	Chairs.	Book Cases.		Black Boards.	Clocks.	Organs.	Pianos.	Wardrob's	Umbrella Stands.	Wash Stands.	Tables.	Furnaces.	Stoves.	Screens.	Estimated Valuation.
						Large	Small												
Female Prim. No. 1..	267	38	49	14	34	2	8	43	2	1	....	1	1	1	1	a	1	1	$1,540 00
" " " 2..	113	18	....	5	24	2	4	18	1	1	....	....	1	1	1	....	5	10	790 00
" " " 3..	137	20	2	6	18	2	8	18	1	1	....	1	1	1	1	a	1	1	800 00
" " " 4..	130	22	6	6	18	1	4	15	1	1	....	1	....	1	....	....	6	12	860 00
" " " 5..	246	40	2	9	18	1	6	20	1	1	....	1	1	....	....	c	1	....	1,300 00
" " " 6..	231	33	....	7	20	1	10	18	1	1	....	1	1	....	1	....	8	14	1,310 00
" " " 7..	93	16	....	5	13	.....	5	10	1	1	....	2	1	....	....	c	2	4	575 00
" " " 8..	182	35	....	7	24	1	6	7	1	1	....	1	....	1	1	....	8	15	1,110 00
" " " 10..	120	18	....	7	18	2	4	20	2	1	...	1	....	....	....	....	5	9	840 00
" " " 11..	285	40	....	10	30	2	9	14	2	1	....	1	....	....	1	c	1	1	2,440 00
" " " 12..	187	33	2	8	20	1	6	28	1	1	....	1	....	....	....	....	9	9	1,330 00
" " " 13..	172	26	....	6	30	1	5	wall	1	1	....	1	2	1	1	c	1	....	1,635 00
" " " 14..	154	24	....	6	20	1	7	18	1	1	....	2	2	1	1	c	1	1	890 00
" " " 15..	207	33	3	10	23	2	6	23	2	1	....	....	....	1	1	....	9	14	1,325 00
" " " 16..	168	27	....	6	20	1	5	16	1	1	....	1	1	....	1	c	....	....	920 00
" " " 17..	180	28	....	7	24	1	6	24	1	1	....	1	1	1	1	....	7	14	1,150 00
" " " 18.	150	22	....	6	16	1	2	24	1	1	....	1	1	1	1	....	6	12	840 00
" " " 20..	375	52	....	17	29	2	11	46	2	1	....	1	1	1	1	....	16	34	2,120 00
" " " 21..	177	31	....	6	12	1	3	19	1	1	....	1	....	....	1	....	7	14	1,090 00
" " " 22..	164	30	11	6	12	1	6	19	1	1	....	....	....	....	....	....	8	12	1,040 00
" " " 23..	208	26	....	6	24	1	5	10	1	1	....	1	....	....	1	c	1	1	1,285 00
" " " 24..	252	38	....	9	36	2	8	wall	1	1	....	1	2	1	1	c	....	....	2,075 00
" " " 25..	125	18	....	5	13	1	.....	14	1	1	....	1	2	....	1	....	5	10	780 00
" " " 26..	140	30	....	5	12	1	3	15	2	1	....	....	....	1	...	....	5	10	860 00
" " " 27..	187	31	....	10	28	1	5	19	2	1	....	....	1	....	1	....	7	14	1,100 00
" " " 28..	137	27	....	7	17	2	7	21	1	1	....	1	1	1	1	....	7	14	1,000 00
" " " 29..	188	24	....	6	20	1	6	6	1	1	....	1	....	1	1	c	1	1	1,160 00
" " " 30..	286	46	....	10	17	1	6	24	2	1	....	....	2	1	1	c	1	2	1,400 00
" " " 31..	152	28	....	6	29	1	5	wall	1	1	....	1	4	1	1	c	1	1	1,675 00
" " " 32..	168	24	....	6	24	1	5	wall	1	1	....	1	1	1	1	c	1	....	1,625 00
" " " 33..	168	24	....	6	24	1	5	wall	1	1	....	1	1	1	1	c	1	....	1,625 00
Totals, Fem. Prim..	5749	901	75	230	667	39	166	509	39	31	....	27	28	19	24	....	132	230	$38,490 00

INVENTORY OF FURNITURE, HEATING APPARATUS, &c.—Continued.

SCHOOLS.	Pupils' Desks.	Rear Seats	Settees.	Teachers' Desks.	Chairs.	Book Cases.		Black Boards.	Clocks.	Organs.	Pianos.	Wardrob's	Umbrella Stands.	Wash Stands.	Tables.	Furnaces.	Stoves.	Screens.	Estimated Valuation.
						Large	Small												
H. & G. Col'd No. 1	370	64	....	14	48	2	13	42	1	1	....	2	....	1	2	d	....	....	$2,850 00
" " " 2	200	36	....	6	18	2	5	14	2	1	....	1	....	....	1	....	10	18	1,260 00
" " " 3	275	38	....	11	30	6	8	26	2	....	....	....	....	....	1	....	17	20	1,780 00
Male Col'd No. 1	100	16	....	4	16	1	4	12	1	1	....	1	1	1	1	6	1	1	1,260 00
" " " 2	161	30	....	7	12	1	6	20	1	1	....	....	....	1	....	....	6	10	1,910 00
" " " 3	197	28	....	9	18	1	6	26	1	1	....	....	....	1	....	....	9	14	1,204 00
" " " 4	188	24	....	6	18	2	6	13	2	1	....	....	....	....	....	....	6	10	987 00
" " " 5	162	25	....	9	18	2	3	15	3	1	....	....	....	....	....	....	6	10	980 00
" " " 6	141	24	9	6	16	9	2	15	1	1	....	....	....	....	....	....	6	9	950 00
" " " 7	256	39	....	10	30	1	9	28	1	1	....	1	4	1	1	6	1	2	2,240 00
" " " 8	103	17	....	6	15	2	3	14	1	1	....	....	....	....	....	2	1	1	830 00
" " " 9	150	23	....	6	20	1	.....	wall	1	....	....	1	2	1	1	4	1	2	1,410 00
Fem. " " 1	150	24	....	6	24	1	6	18	1	1	....	1	....	....	....	d	....	....	960 00
" " " 2	174	26	....	7	19	2	6	16	1	1	....	1	....	....	....	....	6	11	1,090 00
" " " 3	204	32	....	10	12	1	6	26	1	1	....	....	....	....	2	....	9	16	1,287 00
" " " 4	166	19	4	8	10	1	4	16	1	1	....	....	....	....	....	....	6	10	950 00
" " " 6	152	23	11	7	10	1	3	16	1	1	....	....	....	....	....	....	7	8	1,350 00
" " " 7	268	37	....	12	28	1	11	31	1	1	....	2	1	1	2	d	2	2	1,370 00
" " " 8	105	15	....	5	8	1	4	13	1	1	....	1	....	....	....	d	3	3	600 00
" " " 9	203	34	....	10	30	1	3	6	2	....	....	1	2	1	1	d	4	6	1,450 00
Totals, Colored	3725	574	24	159	400	39	108	367	26	17	....	12	10	10	10	18	101	153	$25,818 00

INVENTORY OF FURNITURE, HEATING APPARATUS, &c.—Continued.

SCHOOLS.	Pupils' Desks.	Rear Seats.	Settees.	Teachers' Desks.	Chairs.	Book Cases. Large	Book Cases. Small	Black Boards.	Clocks.	Organs.	Pianos.	Wardrob's	Umbrella Stands.	Wash Stands.	Tables.	Furnaces.	Stoves.	Screens.	Estimated Valuation.
Annex No. 1	153	28	....	6	14	.....	4	wall	1	....	....	....	....	....	....	....	6	6	$ 630 00
" " 2	354	56	....	12	24	.....	6	14	1	....	....	....	....	2	....	....	12	18	1,625 00
" " 3	186	32	....	8	18	.....	2	6	1	....	1	....	1	....	1	....	8	16	1,050 00
" " 4	168	24	....	6	24	1	5	wall	1	....	....	1	1	1	1	Smead	1	....	1,275 00
" " 5	117	16	....	5	7	2	.....	10	....	....	....	....	....	....	....	....	4	8	630 00
" " 6	168	24	....	6	24	1	5	wall	1	....	....	1	1	1	1	Smead	....	....	1,275 00
" " 7	228	32	...	8	12	2	.....	7	1	....	....	....	....	....	....	1	5	8	1,550 00
" " 8	178	26	....	6	9	1	.....	6	1	....	....	....	....	....	....	....	7	8	780 00
" " 9	130	18	....	6	13	.....	.....	3	1	....	....	....	....	....	....	....	4	8	580 00
" " 10	135	26	....	7	9	.....	.....	12	2	....	....	....	....	....	....	....	7	9	700 00
" " 11	120	20	....	5	5	.....	1	10	1	....	....	....	....	....	....	....	5	5	560 00
" " 12	298	34	....	12	26	.....	.....	18	....	....	....	....	....	....	....	....	10	23	1,300 00
" " 13	325	42	....	13	40	2	12	32	2	1	....	2	6	2	2	Smead	1	....	2,240 00
" " 14	40	7	....	2	6	.....	2	4	....	....	....	....	....	....	....	....	2	4	300 00
" " 34, M	150	30	....	6	20	1	5	12	1	....	....	1	1	1	1	4	....	....	1,424 00
" " 34, F	150	30	....	6	20	1	5	12	1	....	....	1	1	1	1	e	....	....	1,424 00
" " 1, Col	42	6	....	2	4	.....	1	4	1	....	....	....	....	....	....	....	2	3	210 00
" " 3, "	23	6	....	1	4	.....	.....	3	1	....	....	....	....	....	....	....	2	2	130 00
Totals, Annex	2965	457	....	117	279	11	48	153	17	1	1	6	11	8	7	5	76	118	$17,683 00

a. Included in the Male Grammar Department.
b. " " Female " "
c. " " Male Primary "
d. " " " Colored "
e. " " " Annex "

Inventory of Furniture, Heating Apparatus, &c.

RECAPITULATION.

Schools.	Pupils' Desks.	Rear Seats	Settees.	Teachers' Desks.	Chairs.	Book Cases.		Black Boards.	Clocks.	Organs.	Pianos.	Wardrob's	Umbrella Stands.	Wash Stands.	Tables.	Furnaces.	Stoves.	Screens.	Estimated Valuation.
						Large	Small												
Balto. City College..	593	56	78	16	130	19	1	16	13	1	..	2	....	....	8	4	....	....	$6,850 00
East. Fem. High....	331	25	84	24	125	7	.....	22	3	....	2	....	....	....	12	4	2	2	4,946 00
West. Fem. High...	418	32	159	15	115	14	7	32	2	1	1	....	....	....	9	5	1	2	4,715 00
Man'l Training.....	256	46	....	25	954	14	.....	wall	13	1	..	....	....	....	16	2	....	....	5,356 00
Male Grammar.....	4 433	659	23	182	512	46	139	382	28	21	..	19	29	20	15	45	79	129	34,562 50
Fem. "	4,174	617	103	163	534	38	135	360	24	16	5	21	34	18	17	10	70	122	30,460 00
English-German	2,433	334	....	101	215	10	67	167	10	9	..	12	7	6	10	14	28	33	17,015 00
Male Primary.....	6,031	943	34	241	717	44	194	530	37	32	1	27	23	17	25	36	143	231	46,571 00
Fem. "	5,749	901	75	230	667	39	166	509	39	31	..	27	28	19	24	....	132	230	38,490 00
Colored.....	3,725	574	24	159	400	39	108	367	26	17	..	12	10	10	10	18	101	153	25,818 00
	28,143	4187	580	1156	4369	270	817	2385	195	129	9	120	131	90	146	138	556	902	$214,783 50
Annex Schools.....	2,965	457	....	117	279	11	48	153	17	1	1	6	11	8	7	5	76	118	17,683 00
Totals.....	31,108	4644	580	1273	4648	281	865	2538	212	130	10	126	142	98	153	143	632	1020	$232,466 50

PAPERS RELATING TO BALTIMORE CITY COLLEGE.

FACULTY.

FRANCIS A. SOPER, A. M., PRINCIPAL,
Professor of Higher Mathematics.

CHARLES F. RADDATZ, VICE-PRINCIPAL,
Professor of the German Language.

A. L. MILLES, B. A.,
Professor of the French Language and Adjunct Professor of Latin.

POWHATAN CLARKE, M. D.,
Professor of Natural Sciences.

CHARLES C. WIGHT,
Professor of English Literature and History.

RICHARD W. PREECE,
Professor of Drawing.

A. Z. HARTMAN, A. M.,
Professor of Latin and Greek.

J. N. HANK, A. M.,
Professor of Latin and Mental Philosophy.

JOSEPH H. ELLIOTT, SECRETARY OF FACULTY,
Professor of Book-keeping and Penmanship.

S. F. NORRIS,
Professor of Astronomy and Mathematics.

ROBERT C. COLE, A. M.,
Professor of History and Political Economy.

ALEXANDER HAMILTON.
Professor of English and Mathematics.

G. EMORY MORGAN, A. M.,
Adjunct Professor of Latin and English Literature.

PHILIP H. FRIESE,
Adjunct Professor of Natural Sciences and English.

JULIUS G. MILLER,
Adjunct Professor of Mathematics and Latin.

CURRICULUM.

FIRST YEAR.

History of United States,
History of England,
Writing,
Composition,
Drawing,
Natural Philosophy,
English Literature,
Latin,
Book-keeping,
Algebra,
Geometry.

SECOND YEAR.

Composition,
English Literature,
Book-keeping,
Natural Philosophy,
Drawing,
Latin,
German,
Geometry,
Plane Trigonometry,
History of Rome and Constitution of Maryland,
Mensuration,
Elocution.

THIRD YEAR.

Rhetoric, Composition and Elocution,
History of English Literature,
Drawing,
Latin,
Chemistry,
History of Greece and Eastern Nations,
German,
Greek, (optional)
French,
Trigonometry and Applications.

FOURTH YEAR.

English Literature and Essays,
Chemistry,
Latin,
Greek,
French,
Surveying and Navigation,
German,
Drawing,
Analytical Geometry,
Astronomy,
Civil Government,
Composition,
Elocution.

FIFTH YEAR.

Latin,
Greek,
Calculus,
English Literature and Essays,
Mental and Moral Philosophy,
Political Economy,
French,
German,
Chemistry,
Astronomy,
Drawing,
Review of Mathematics,
Elocution.

RECITATIONS.

102d and 103d Terms.

RECITATIONS HEARD EACH WEEK BY THE RESPECTIVE PROFESSORS.

PROF. SOPER—Calculus, 4 times; Analytical Geometry, 6 times; Preparation, 4 times 14

PROF. RADDATZ—German, 21 times; English History, 2 times; Preparation, 1 time..... 24

PROF. MILLES—Latin, 9 times; French, 15 times..... 24

PROF. CLARKE—Natural Philosophy, 6 times; Chemisty, 18 times. 24

PROF. WIGHT—English Literature, 15 times; Rhetoric, 9 times 24

PROF. PREECE—Drawing, 22 times; preparation, 2 times..... 24

PROF. HARTMAN—Greek, 12 times; Latin, 12 times 24

PROF. HANK—Latin, 20 times; Mental Philosophy, 2 times; Preparation, 2 times..... 24

PROF. J. H. ELLIOTT—Book-keeping, 19 times; Writing, 5 times.. 24

PROF. NORRIS—Trigonometry, 12 times; Astronomy, 3 times; Surveying and Navigation, 4 times; Review Mathematics, 4 times; Preparation, 1 time 24

PROF. COLE—History, 20 times; Political Economy, 2 times; Preparation, 1 time; Civil Government, 1 time..... 24

PROF. HAMILTON—Geometry, 18 times; Algebra, 4 times; Preparation, 2 times..... 24

PROF. MORGAN—Latin, 10 times; English Literature, 10 times; Composition, 2 times; Preparation, 2 times..... 24

PROF. FRIESE—Composition, 9 times; Natural Philosophy, 10 times; History of U. S., 3 times; Preparation, 2 times..... 24

PROF. MILLER—Latin, 10 times; Algebra, 6 times; Composition, 2 times; Geometry, 4 times; Preparation, 2 times..... 24

CLASS RECITATIONS.

Recitations Made Each Week by the Different Classes.

Fifth Year.—J.—Calculus, 4; French, 2; German, 2; Chemistry, 3; English, 3; Drawing, 1; Latin, 4; Mental Philosophy or Greek, 2; Astronomy, 1; Political Economy or Greek, 2—24.

Fourth Year.—I^1 and I^2.—Analytical Geometry, 3; French, 2; German, 2; Chemistry, 3; English, 3; Drawing, 1; Latin, 4; Greek or Surveying and Navigation, 4; Astronomy, 1; Civil Government, 1—24.

Third Year.—H^1, H^2 and H^3.—French, 3; German, 2; Chemistry, 3; Rhetoric, 3; Drawing, 1; Greek or Review Mathematics, 4; Latin, 4; Trigonometry, 4; History Greece and Eastern Nations, 1—25.

Second Year.—B^1, B^2 and B^3.—German, 3; Physics, 2; English Literature, 2; Drawing, 2; Latin, 4; Book-keeping, 3; Geometry, 4; Composition, 1; History Rome and Constitution Maryland, 2—23.

First Year.—A^1, A^2, A^3, A^4 and A^5.—Latin, 5; History England, 2; Drawing, 2; Book-keeping, 2; Writing, 1; Geometry, 2; Algebra, 2; English Literature, 2; Physics, 2; Compositon, 2; History U. S., 1—23.

ROLL FOR THE YEAR 1891.

Number of students on roll December 31, 1890..	422
Number admitted by promotion during 1891....	214
Number admitted from private schools during 1891	21
Whole number on roll during 1891	657
Number withdrawn during 1891	216
Number graduated June, 1891	8*
Number re-entered during 1891	18
Number on roll December 31, 1891	451
Average attendance during 1891	376.6
Average number on roll during 1891	403
Percentage of attendance for the year	93.4
Number on roll June 30, 1891	337
Number of those who returned after summer vacation	244
Number of new students entered after September 7, 1891	234
Whole number on roll from September 7, to December 31, 1891	478
Number withdrawn from September 7, to December 31, 1891	27

*This small number is accounted for by the fact that there were no pupils promoted to the College in the year 1886, the eighth grade having been then established.

FIFTY-SECOND ANNIVERSARY AND FORTY-FIRST COMMENCEMENT

OF BALTIMORE CITY COLLEGE,

HELD IN THE COLLEGE BUILDING, MONDAY EVENING, JUNE 22, 1891.

ORDER OF EXERCISES.

Overture—"*America*" ..... Orchestra
Prayer ..... Rev. C. Herbert Richardson
Serenade ..... Orchestra
Salutatory Address ..... Wyatt Wiley Estep
Chorus—"*Call John*" ..... Students
Address ..... Albert Clarke Jamison
College Overture ..... Orchestra
Valedictory Address ..... Thomas George Sanders
Irish Medley Overture ..... Orchestra
Address to the Graduates ..... Col. Andrew C. Trippe
Chorus—"*The Storm King Comes Forth*" ..... Students
Distribution of Certificates ..... Hon. Robert C. Davidson, *Mayor*
Ange D'Amour ..... Orchestra

PRESENTATION OF SHAKESPEAREAN PRIZE.

March Militaire ..... Orchestra

BENEDICTION.

Merry Monarch ..... Orchestra

GRADUATES.

HARRY NETHERCLIFT ABERCROMBIE,

WYATT WILEY ESTEP,

EDWARD ENGLER GIBBONS,

ARCHIBALD BALLOCH JAMISON,

ALBERT CLARKE JAMISON,

CHARLES ALBERT OTTO,

THOMAS GEORGE SANDERS,

DAVID MERRICK SCOTT.

Receipient of Shakespearean Prize:

HARRY NETHERCLIFT ABERCROMBIE.

Papers Relating to Baltimore Manual Training School.

FACULTY.

Principal,

JOHN W. SAVILLE, *Engineer Corps, U. S. N.*

ENGINEERING.

First Assistant,

A NEWTON EBAUGH, PH. B.

HIGHER MATHEMATICS AND ENGLISH.

Instructor in Wood Working,

WILLIAM DUGENT.

PATTERN MAKING, WOOD TURNING AND MOULDING.

Instructor in Metal Working,

WILLIAM G. RICHARDSON.

MACHINE SHOP AND FINISHING.

Instructor in Academic Department,

WILLIAM H. HALL.

CHEMISTRY AND PHYSICS.

Instructor in Academic Department,

J. WARD WILLSON, M. D.

ANATOMY, PHYSIOLOGY AND HYGIENE.

Instructor in Metal Department,

ALBERT McCLEAN.

FORGE SHOP.

Instructor in Academic Department,

J. HENRY LAESSIG.

GEOMETRICAL AND MECHANICAL DRAWING.

Instructor in Academic Department,

JOHN L. YATER, JR.

ENGLISH, ARITHEMETIC AND GEOGRAPHY.

Instructor in Wood Department,

*THOMAS G. FORD.

CARPENTRY AND WOOD CARVING.

Instructor in Metal Department,

JOHN T. ROBINSON.

SHEET METAL WORK.

Instructor in Academic Department,

RICHARD H. UHRBROCK.

HISTORY, ALGEBRA AND GEOMETRY.

Instructor in Wood Department,

*GEORGE M. GAITHER.

CARPENTRY.

Instructor in Academic Department,

EDWARD S. KINES.

ENGLISH AND ORATORY.

Instructor in Academic Department,

*WARREN S. SEIPP.

FREE HAND DRAWING.

Instructor of Military Science,

.....

*Graduates of this School.

THE COURSE OF STUDY. (General.)

The combined course of study covers three years, and the school time of the students is about equally divided between mental and manual exercises. One hour per day is given to drawing, one hour and a-half to shop-work and three hours to the usual academic studies.

The course of study embraces five parallel lines, as follows:

First:—A course in English, German, and French Language and Literature; Composition, Social Science and History.

Second:—A course in Science and applied Mathematics, including Geology, Physics, Chemistry, Physiology, Mensuration, Book-keeping, Commercial business, Type-writing and Engineering.

Third:—A course in pure Mathematics, including Arithmetic, Algebra, Geometry, and Trigonometry.

Fourth:—A course in Free Hand, Architectural and Mechanical Drawing, Designing; Penmanship.

Fifth:—A course of tool instruction, including Carpentry, Wood-Carving, Wood-Turning, Pattern-Making, Moulding, Soldering, Brazing, Vice and Machine shop work, Printing; care and management of steam engines and boilers, and military drill. There are also a post-graduate course in Mechanical Engineering, and a Preparatory Department.

GRADUATES.

Amos, Walter	Keidel, Ferdinand B.
Benson, Basil	Knipp, J. Edgar
Benson, William	McNeil, Samuel
Boucsein, William	Phillips, James C.
Bren, Morde	*Reese, Herbert M.
Caine, John	Robinson, Edmund W.
Dannettel, George	Row, Reuben
Ehlers, Charles	Seipp, Warren S.
Fankhanel, Albert	Sollers, Nathaniel D.
Gwynn, William G.	Warner, Richard S.
Herbert, Frank	Young, William A.

*The Alumni Medal was presented to Herbert M. Reese, he having graduated with the highest average.

ROLL.

Number of students on roll December 31st, 1890		428
Number of students admitted from Public Schools	110	
Number of students admitted from Private Schools	125	
		235
Total number in school during the year		663
Number withdrawn during the year	271	
Number graduated	222	
		493
Number now in the school		370
Percentage of attendance for the year		90.5

Papers Relating to Eastern Female High School.

FACULTY.

WILLIAM F. WARDENBURG,
Astronomy, Mental Philosophy, Algebra, Book-keeping, Trigonometry.

SARAH L. BASSFORD,
Elocution, History, Composition, Rhetoric.

MARY C. GEDDES,
Algebra, Geometry, Composition, Arithmetic.

LAURA V. De VALIN,
Physiology, English Literature, Composition, Elocution.

ELIZA E. NICOLAI,
Natural Philosophy, Composition, Algebra, Grammar.

MATILDA M. MULLIN,
Drawing.

LEONORA E. CARPENTER,
Literature, History, Composition.

SUE M. LOHRFINK,
Algebra, Composition, Etymology, Rhetoric.

MARY C. BASIL,
Algebra, Arithmetic, Composition, Elocution, Rhetoric.

J. HARRY DEEMS,
Vocal Music.

FANNIE A. CASPARI,
German.

CHARLES L. COPINGER,
French.

GRADUATES.

Adams, Hattie Josephine
Aires, Sophia
Alexander, Mary J. B.
Armstrong, M. Louise
Baker, Fannie R.
Bayne, Rosa V.
Borrell Lillie M.
Brown, Maud L.
Clewell, Mary B.
Coggins, Clara B.
Davis, Lorenda
DeKatow, Eugenie J.
Dilmore, Mary C.
Engelhart, Mary E.
Flack, Zelia
Floyd, Katie
Fossett, Grace
Friedenwald, Jennie
Fulton, Nettye B.
Gray, Alice G.
Grote, Mamie E.
Hemmick, Helen S.
Herche, Sophia
Hugg, Minnie P.
Hunter, Sarah B.
Jamison, Annie C.
Krebs, Helen N.
Larmour, Marie C.
Logan, Annie M.
Malin, S. Emma
McLean, Mary A. H.
Monroe, Caroline E.
Moses, Gertrude
Muesse, Emma H.
Prince, Cecilia C.
Pritchett, Catherine A.
Reddish, Marion L.
Ries, Hannah
Sachs, Rosa
Spengemann, Clara A.
Steen, Madsella L.
Warrington, Lilian B.
Wiesenfeld, Marie
Wilson, Clara C.

RECIPIENTS OF PEABODY MEDALS.

FIRST GRADE.

Lillie M. Borrell.
Rosa Sachs.
Emma H. Muesse.
Marion L. Reddish.
Jennie Friedenwald.

SECOND GRADE.

Mary A. H. McLean.
Clara A. Spengemann.
Helen S. Hemmick.
Madsella L. Steen.
M. Louise Armstrong.
Alice G. Gray.
Mary C. Dilmore.
Hannah Ries.
Hattie J. Adams.
Clara C. Wilson.

Additional number receiving tickets to Peabody Lectures:

Gertrude Moses.
Sophia Herche.
Lilian B. Warrington.
Annie M. Logan.
Katie Floyd.
Minnie P. Hugg.
Mary E. Engelhart.
Caroline E. Monroe.
Annie C. Jamison.
Catherine A. Pritchett.

ROLL.

Number of pupils on roll December 31st, 1890	323
Admitted from public schools	133
Admitted from private schools	0
Re-entered	1
Admitted by transfer	8
Total number in school during the year	467
Average enrollment	327
Average attendance (93¼ per cent.)	305
Number withdrawn during the year	68
Number graduated	44
Number now on roll	355

CLASS RECITATIONS.

Recitations Made Each Week by the Different Classes.

K.—Mental Philosophy, 3; Trigonometry, 2; History, 2; English Literature, 2; Grammar, 1; Elocution, 2; Arithmetic, 2; Drawing, 2; French, 2; Music, 2; Composition, 2; Astronomy, 2; German, 1—25.

H, I.—Natural Philosophy, 2; English Literature, 2; Rhetoric, 2; Elocution, 1; Algebra, 3; History, 2; Geometry, 2; Book-keeping, 2; Drawing, 2; French, 2; Music, 2; Composition, 1; German, 2—25.

E, F and G.—Algebra, 3; Arithmetic, 2; Composition, 1; Drawing, 2; Elocution, 1; French, 2; Geometry, 2; German, 2; History, 2; Literature, 2; Natural Philosophy, 2; Rhetoric, 2; Vocal Music, 2—25.

A, B, C and D.—Etymology, 3; Literature, 2; Elocution, 1; Algebra, 4; Arithmetic, 2; Natural Philosophy, 2; Drawing, 2; Music, 2; Composition, 2; History, 2; Physiology, 2; German, 1—25.

COURSE OF STUDY

—IN THE—

Female High Schools.

FIRST YEAR.

Algebra,
Arithmetic,
Composition,
Drawing,
Elocution,
Etymology,
German,
History,
Literature,
Natural Philosophy,
Physiology,
Vocal Music.

SECOND YEAR.

Algebra,
Arithmetic,
Composition,
Drawing,
Elocution,
French,
Geometry,
German,
History,
Literature,
Natural Philosophy,
Rhetoric,
Vocal Music.

THIRD YEAR.

Algebra,
Book-keeping,
Composition,
Drawing,
Elocution,
French,
Geometry,
German,
History,
Literature,
Natural Philosophy,
Rhetoric,
Vocal Music.

FOURTH YEAR.

Arithmetic,
Astronomy,
Composition,
Drawing,
Elocution,
French,
German,
Grammar,
History,
Literature,
Mental Philosophy,
Vocal Music.
Trigonometry,
Theory of Teaching.

Papers Relating to the Western Female High School.

FACULTY.

ANDREW S. KERR, PRINCIPAL,
Mental Philosophy, Astronomy, Trigonometry and Algebra.

PAMELA A. HARTMAN,
English Literature, Composition, History.

SARAH S. RICE,
Elocution, Rhetoric, Composition, Etymology.

JANE S. WILLIAMS,
Rhetoric, Algebra, Composition, Grammar.

EMMA COWMAN,
Natural Philosophy, Literature, Physiology, Composition.

HENRIETTA C. ADAMS,
History, Composition.

LOUISA C. SAUMENIG,
Geometry, Book-keeping, Literature, Algebra, Composition.

ANNA P. TUDOR,
Arithmetic, Composition, Natural Philosophy.

ANNIE O. SOLLERS,
History, Etymology, Natural Philosophy, Composition.

MARY H. THOMIZ,
Arithmetic, Physiology, Literature, Composition, Etymology

BESSIE G. THOMSON,
Algebra, Elocution, Drawing, Composition, Literature

ELIZA J. DAVIS,
Drawing.

CHARLES L. COPINGER,
French.

FANNIE A. CASPARI,
German.

JOHN G. WEHAGE,
Vocal Music.

GRADUATES.

Bealmear, Helen R.
Beck, Julia F.
Brown, N. Belle
Brownold, Julia
Brun, Amicie
Buck, E. Gertrude
Burton, Elinore T.
Chandlee, Jennie T.
Coe, Helen L.
Cutair, Mamie G.
Dimling, Bertha W.
Dunlop, Rosa I.
Ferguson, K. Maud
Foster, Grace L.
Garrett, Annie S.
Green, Minnie G.
Guggenheimer, Dolene F.
Gwyn, Fanny T.
Hearn, Clara E.
Hilb, Mollie
Hoffman, Beulah B.
Holliday, Florence M.
Holzman, Stella
Howe, Susie R.
Kammerer, Mary A.
Kerr, Mary S.
Kessler, Ysidra H.
Krager, Nettie A.
Latane, Edith
Lednum, Cora A.
Leicht, Phoebe
Malambre, Nettie E.
Mann, Carrie
Marine, Lillie H.
Martien, Mary V.
Masson, Cornelia M.
Matthews, Bessie M.
Mayer, Jennie
Milier, Emma S.
Miller, Mina K.
Moog, Katie E.
Needham, Belle H.
Reese, Alice E.
Reizenstein, Jennie
Rittenhouse, Lillian S.
Rosenfeld, Carrie
Ross, Elizabeth J.
Rowland, Mabel
Schmidt, Louisa
Sexton, Gertrude
Sills, Eleanor C.
Smith, Cecelia
Smith, Eva W.
Stowman, Bessie
Strauss, Clara
Tall, Lida
Warfield, Estelle
Wagner, Alice B.
Watkins, Sallie H.
Wonn, Anneta.

RECIPIENTS OF PEABODY PRIZES.

FIRST GRADE.

Miss Edith Latane,
" Stella Holzman,
Miss Bessie M. Matthews,
" Jennie T. Chandlee,
Miss Clara E. Hearn.

SECOND GRADE.

Miss D. F. Guggenheimer,
" Amicie Brun,
" Lida Tall,
" K. Maud Ferguson,
" Susie R. Howe,
Miss Emma S. Miller,
" Lillian S. Rittenhouse,
" Mary E. Kammerer,
" Jennie Mayer,
" Mabel Rowland,

Additional number receiving Tickets to Lectures at Peabody Institute.

Miss Carrie Rosenfeld
" N. Belle Brown,
" Julia F. Beck,
" Julia Brownold,
" Eleanor C. Sills,
Miss Eva W. Smith,
" Mary S. Kerr,
" Carrie Mann,
" Jennie Reizenstein,
" Mary V. Martien.

ROLL.

Returned after the summer vacation	304
Re-entered	4
Admitted from grammar schools	231
Admitted from private schools	8
Transferred from Eastern High School	2
Total, September, 1891	549

The change in the numerical condition of the different classes is shown in the following table:

	4th yr.	3d yr.	2d yr.	1st yr.	Totals
On roll December, 1890	60	85	150	221	—516
On roll June, 1891	60	83	128	163	—434
Graduated June, 1891	60	..	...	...	— 60
On roll September, 1891	75	79	131	263	—549
On roll December, 1891	75	78	120	244	—517

CLASS RECITATIONS.

Recitations Made Each Week by the Different Classes.

M CLASS.—Mental Philosophy, 3; Astronomy, 2; Arithmetic; 1; English Literature, 2; History, 2; Composition, 1; Grammar, 1; Elocution, 2; Drawing, 2; French, 2; German, 1; Music, 2; Trigonometry, 2; Theory of Teaching, 1; Preparation, 1.

L AND K CLASSES.—Algebra, 3; Geometry, 2; Bookkeeping, 2; Natural Philosophy, 2; Literature, 2; Rhetoric, 2; History, 2; Composition, 1; Elocution, 1; Drawing, 2; French, 2; German, 2; Music, 2.

I, H AND G CLASSES.—Arithmetic, 2; Algebra, 2; Geometry, 2; History, 2; Literature, 2; Composition, 1; Natural Philosophy, 2; Physiology, 1; Rhetoric, 2; Elocution, 1; French, 1; German, 1; Drawing, 2; Music, 2; Preparation, 2.

F, E, D, C, B, A CLASSES.—Arithmetic, 3; Algebra, 3; Natural Philosophy, 2; Physiology, 2; History, 3; Literature, 2; Etymology, 2; Composition, 1; Elocution, 1; German, 1; Drawing, 2; Music, 2; Preparation, 1.

PAPERS RELATING TO COLORED HIGH SCHOOL.

FACULTY.

GEORGE LEWIS STALEY,

Latin, Mental Philosophy, Moral Science, Astronomy, Etymology, Physiology

BESSIE L. RICE,

Elocution, Literature, Grammar, Trigonometry, Natural Philosophy, History Geometry, Arithmetic, Algebra, Composition, Music.

MARY E. HUDGINS,

History, Composition, Grammar, Rhetoric, Natural Philosophy, Etymology Arithmetic, Algebra, Geometry, Literature.

GRADUATES.

BUTLER, ELLA.

COOPER, MADESSA.

CREDITT, DANIEL C.

KELLY, GEORGINE B.

MATTHEWS, FLORENCE.

NICHOLSON, JACOB C.

WATERS, MARY E.

ROLL.

Number of pupils on roll December 31st, 1890	54
Admitted from public schools	28
Admitted from private schools	0
Re-entered	1
Admitted by transfer	0
Total number in school during the year	83
Number withdrawn during the year	15
Number graduated	7
Number now on roll	61

CLASS RECITATIONS.

Recitations Made Each Week by the Different Classes.

Fourth Year.—Mental Philosophy, 3; Trigonometry, 2; History, 2; Literature, 2; Grammar, 2; Elocution, 2; Arithmetic, 1; Drawing, 1; Latin, 3; Music, 1; Composition, 2; Astronomy 2; Moral Science,1; Algebra, 1—25.

Third Year.—Natural Philosophy, 2; Literature, 2; Rhetoric, 2; Elocution, 1; Algebra, 1; History, 2; Geometry, 2; Drawing, 1; Latin, 3; Music, 1; Composition, 1; Grammar, 2; Arithmetic, 1—21.

Second Year.—Algebra, 1; Arithmetic, 1; Composition, 1; Drawing, 1; Latin, 3; Geometry, 2; History, 3; Literature, 2; Natural Philosophy, 2; Rhetoric, 2; Music, 1; Etymology, 2; Grammar, 2—23.

First Year.—Etymology, 2; Literature, 3; Elocution, 1; Algebra, 1; Arithmetic, 1; Physiology, 1; Natural Philosophy, 2; Drawing, 1; Music, 1; Composition, 1; History, 3; Latin, 4; Geometry, 2—23.

COURSE OF STUDY

—IN THE—

COLORED HIGH SCHOOL.

FIRST YEAR.

Etymology,
Literature,
Elocution,
Algebra,
Arithmetic,
Physiology.
Natural Philosophy,
Drawing,
Music,
Composition,
History,
Latin,
Geometry.

SECOND YEAR.

Algebra,
Composition,
Latin,
History,
Rhetoric,
Music,
Arithmetic,
Drawing,
Geometry,
Literature,
Natural Philosophy,
Etymology,
Grammar.

THIRD YEAR.

Literature,
Rhetoric,
Algebra,
History,
Drawing,
Music,
Natural Philosophy,
Elocution,
Arithmetic,
Geometry,
Latin,
Composition,
Grammar.

EOURTH YEAR.

Mental Philosophy,
History,
Literature,
Grammar,
Arithmetic,
Latin,
Composition,
Moral Science,
Trigonometry,
Algebra,
Elocution,
Drawing,
Music,
Astronomy.

Grades for Primary Schools.

(September, 1885.—As Amended to February, 1892.)

FIRST GRADE. FIRST YEAR.

READING.—First half year.—Use objects or pictures, blackboard, slates, Fisher's card and reading chart. From the beginning lead the pupils to associate words with the things, qualities, or actions of which they are the representatives. First present the object to their attention and then the word that names it. After a few simple words have been learned in this way, combine each object-word with other simple words to form sentences which the pupils are to be taught to read. Continue this exercise with a series of simple object-words. In all new sentences present repetitions of word-forms previously learned and introduce new words gradually. Teach writing from the first, beginning with the small letters of the simplest forms, as wholes, and afterward combining the letters to form simple words. Give much repetition in new combinations of letters previously learned. Use the reading chart after the written forms of a few words have been thoroughly taught. Begin with script instead of printed words.

Second half year.—American Educational Reader No. 1. Supplementary reading to repeat word-forms in new sentences. Continue to practice writing words and sentences and reading them. In this and all subsequent reading work take special care to see that the thought to be expressed is in the mind of the pupil before requiring him to read aloud. Insist upon a distinct and audible utterance, and correct pronunciation. Pupils must not be permitted to acquire the habit of drawling or reading disjunctively. Teach them to see whole phrases and to speak them as wholes. The articles *a*, *an* and *the* and the unemphasized little words *in* and *to*, etc., should be pronounced as unemphasized prefixes. For example, *a float*, *a boat*, should be spoken as single words, like *afloat*, *about*, etc. Never allow the too common fault

of hesitating in learning to read. Make the pupils familiar with the matter of each reading lesson by conversation and explanation, so as to lead them to read it at sight. To this end the new words of each lesson should be written on the blackboard and fully explained. The pupils should also be required to copy them into sentences before allowing them to read the lesson. Oral spelling from the reading lesson.

ARITHMETIC.—First half year.—Teach numbers from one to twenty. Second half year.—Teach to one hundred. Develop the *idea* of number, as wholes; with objects, numeral frame, marks, etc. While doing this do not at first permit the pupil to *count* unless the objects to be counted are actually present. Treat each number above one with all possible combinations of the preceding numbers to produce it by adding, and with its separations by subtracting them from it—

First. With objects, numeral frame, marks, etc., without figures.

Second. With objects and figures.

Third. Mentally with abstract numbers.

Fourth. With simple practical examples.

Train the pupils to recognize the number at sight without conscious effort at counting, as they recognize the words *day*, *man*, etc. Encourage the children to talk, but require their answers to be full and complete sentences.

Miscellaneous examples for rapid solution by adding and subtracting.

Appleton's First Lesson in Numbers to be used in oral teaching in all the grades. Follow closely the methods of the author intended to develop arithmetical knowledge.

SLATE WORK.—First half year.—Addition, the result to be no greater than 20; second half year, no greater than 100. Teach coins from 1 cent to twenty, inclusive; pint; quart; inch.

In advanced classes of this grade, the teacher is expected to carry the pupils as far as the condition of the class will warrant. Such a class properly graded should be able to accomplish the work of the first half year of the second grade.

LANGUAGE.—Purpose: to accustom pupils to express what they know in correct forms of speech. Oral exercises from objects and pictures connected with the reading and observation lessons, including the lessons in numbers and whatever the ingenuity of the teacher may suggest.

PENMANSHIP.—Begin with the thirteen small letters, combining them into short easy words. Be careful that the copies set are in good writing. After the pupils are able to write fairly well exercise them in copying easy sentences. Require them to read what they have written. The idea of form and symmetry is to be required at this point, rather than the making of nice lines. The copying of printed forms from books as an exercise must not be allowed.

DRAWING.—As prescribed for the grade.

MUSIC.—As prescribed for the grade.

SECOND GRADE. SECOND YEAR.

READING AND SPELLING.—American Educational Reader No. 2. Supplementary reading. Exercises in articulation and pronunciation. Written and oral spelling from the reading lessons. A few short pieces of suitable poetry carefully learned and frequently recited. Require the pupils to write the words before spelling them orally by letters. Accustom pupils in written spelling to recognize all the characters in the word forms, such as the *apostrophe*, etc. Require them to memorize the alphabet as an acquisition for future use. Observe directions in previous grade.

ARITHMETIC.—Combinations and separations of numbers to one thousand.

Adding, subtracting and multiplying—

First. Without figures.

Second. With figures, using no amounts or minuends greater than one thousand or multipliers greater than nine. Roman numerals to C.

Coins continued. Pint, quart, gallon. Pint, quart, peck and bushel. Hour, day, week, month and year. Dozen. Inch, foot and yard. Ounce and pound.

SLATE WORK.—Write and read numbers containing six figures. Addition, subtraction and multiplication with not more than three figures as a multiplier. Simple practical problems. Teach well the multiplication table through 9x12. Illustrate the construction of the table with objects, the numeral frame, etc. Give oral drills in rapid combinations of numbers.

LANGUAGE.—Work of first grade continued. Short stories told or read to the pupils, and reproduced by them orally. Pupils to give expression to thoughts suggested by objects and pictures or by observation lessons.

PENMANSHIP.—First half year.—Review the writing of the small letters, and teach the writing of all the capitals and all the marks of punctuation. Give daily practice in writing words and sentences taught in the language and reading lessons. Give exercises in writing from dictation and transforming printed language into script. Accept no careless work.

Second half year.—Practice in movements of the arm, hand and fingers with the pen held correctly, using suitably ruled copy-books for such work.

First. Copying from the black-board or from slips.

Second. Writing selections in script from the reading book.

Third. Words, phrases, sentences, and short stories from dictation.

DRAWING.—As prescribed for the grade.

MUSIC.—As prescribed for the grade.

THIRD GRADE. THIRD YEAR.

READING.—American Educational Reader No. 3. Exercises in articulation and pronunciation. Written and oral spelling selected from the first thirty-four lessons of the American Educational Reader No. 3, and lessons Nos. 36, 38, 41, 43, 45, 47, 50, 52, 54, 56, 57, 60, 64, 67, 70, 72, 74 and 76. A few appropriate selections of poetry carefully read, learned and frequently recited. Observe directions in previous grades.

ARITHMETIC.—The text book in this grade is to be used for *reading* and *thinking* as well as for drill work.

Writing and reading integers to and including millions. Miscellaneous exercises in addition, subtraction, multiplication and division of integers. In long division, the divisor not to exceed four figures.

Multiplication table reviewed and continued through 12x12. Roman numerals to M. and ordinal numbers as needed in connection with the reading and other lessons.

Coins previously studied and paper currency. Second, minute, hour, day, week, month and year. Time of day by the clock. Units of dry and liquid measure previously studied, thoroughly reviewed. In this grade the ground rules—addition, subtraction, multiplication and division—thoroughly reviewed; collateral practice with exercises for rapid execution—adding columns of figures, etc

PENMANSHIP.—Practice in movements of the arm, hand and fingers with the pen held correctly. Use practice paper one hour a week. One writing book or its equivalent, completed each half year. Copying from the blackboard. Writing selections and dictation exercises in blank books.

LANGUAGE.—Work of second grade continued with oral and written exercises, short stories read silently and then reproduced orally and in writing, stories written from pictures; letter writing begun.

GEOGRAPHY.—Second half year.—Give conversational lessons on plants, animals, people of different countries and climates, traveling by land and water, etc. Teach the natural divisions of land and water. Cardinal points of the compass. Names of the hemispheres, continents, oceans, and grand divisions. General idea of our own country, state and city. Make the study interesting to the pupils, and endeavor by all means to create in their minds clear conceptions of geographical terms. Use the lessons of the book as reading and thinking lessons. All terms and definitions should be learned with accuracy after they are clearly understood. Examination in this study taken from sections

(1) Direction, (2) Distance and Measuring, (3) Using a Scale, (4) Natural Divisions, (5) Township, City Schools, (6) Climate, (10) Occupations of Men, (11) Government, and (13) Shape of the Earth.

DRAWING.—As prescribed for the grade.

MUSIC.—As prescribed for the grade.

In all the grades make a list of words that pupils most frequently mispronounce, and drill them in their correct pronunciation; also give frequent and thorough drill upon words containing the vowel sounds properly grouped and arranged.

Particular attention should be paid to addition in all the grades. See that pupils perceive readily the sum of integers without resorting to the counting process.

ELEMENTARY SCIENCE.

Lessons to develop ideas of—

(1) *Color.*—Red, orange, yellow, etc.

Form.—Sphere, cylinder, cube, etc.

Place.—On, above, under, before, etc.

Size.—Large, small, great, little, etc.

Qualities of Objects.—Rough, smooth, sweet, etc.

(2) *Lessons on the human body.*—Parts, use and movements, etc.

(3) *Familiar plants.*—Flower, leaf, stem, root, etc.

Animals.—Cat, dog, horse, cow, etc.

Things.—Objects in the school room, etc.

The lessons on this subject should be purely oral, with conversational illustrations. One hour a week, at such times as may be most suitable.

Principals are authorized and expected to promote to higher grades during the year such pupils as shall evince ability to pursue the studies of the higher grades.

In this course of study more attention should be given to language and reading than to abstract work; and it is expected that principals will see that their assistants understand and follow closely the directions given in the present schedule.

The preceptive faculties should be brought into prominent exercise, as this is the law of childhood and youth. The disposition to discover impels them to activity. Hence the teacher to be successful with children, must accustom them *to do* and discover for themselves. Train the eye to see, the ear to hear, the hand to do, and through these the mind to think.

Grades for Grammar Schools.

(September, 1886.—As amended to February, 1892.)

FOURTH GRADE. FOURTH YEAR.

Language.—Newell's third reader. At least five exercises of an hour each per week. Spell the words contained in the first half of Newell's third reader. Composition at least once a week—mistakes carefully corrected and explained. Letter-writing. Abstracts of lessons, stories, etc.—orally and in writing. Capitalization and punctuation. Correction of faulty expressions (oral and written), and mispronunciations. Develop a knowledge of the parts of speech, the subject nominative, the predicate verb, and the object of verbs and prepositions, through the study of the simple sentence. Supplementary reading. One writing-book or its equivalent, completed each half year. Recitation of appropiate selections.

Arithmetic.—Written and mental. Addition, subtraction, multiplication and division of U. S. money (no decimal divisors or multipliers). Denominations, *in common use*, of dry measure, long measure, liquid measure, and time, with examples involving their practical application. Common fractions to multiplication. Endeavor to make pupils quick and accurate in working examples in the simple rules.

Geography.—Elementary. New England States and North America. Draw, from memory, map of North America. Frequent drills upon the outline maps.

Drawing.—As prescribed for the grade.

Music.—As prescribed for the grade.

Science.—Dulany's Health Primer. To be used as a supplementary reader.

FIFTH GRADE. FIFTH YEAR.

LANGUAGE.—Newell's fourth reader. At least five exercises of one hour each per week. Supplementary reading. Spell the words in the speller from page 15 to page 31. Special attention to be given to correct forms of speech, both spoken and written. Exercises in composition, letter-writing, etc., the same in kind as those of the fourth grade adapted to the capacity of the pupils of this grade—mistakes carefully corrected and explained. Continue the development of a knowledge of the parts of speech, through the study and analyzation of the simple sentence. Conjugation of verbs, in the indicative mode, active voice, simple form. Declension, person and number. Pupils of this grade should understand the use of capitals, periods, the question mark, quotation marks, and should have some knowledge of the use of the comma and the apostrophe. One writing-book or its equivalent, completed each half year. Recitation of appropriate selections.

ARITHMETIC.—Written and mental. U. S. money. Common fractions, and decimals. Continue the exercises involving the tables studied in the fourth grade. Explain at the blackboard how the common denominations of square measure are derived from those of long measure, and teach the denominations of square measure *in common use* with simple examples involving their practical application. Frequent practice in the four rules, especially addition.

GEOGRAPHY.—Elementary. Middle Atlantic States, United States, South America. Draw, from memory, maps of Maryland and South America. Frequent drills upon the outline maps.

SCIENCE.—Dulany's Physiology. To be used as a supplementary reader.

DRAWING.—As prescribed for the grade.

MUSIC.—As prescribed for the grade.

SIXTH GRADE. SIXTH YEAR.

LANGUAGE.—Newell's fourth or fifth reader. History of Maryland. Supplementary reading. At least five exercises one hour each per week. Spell the words in the speller from page 31 to page 46. The

work of the fifth grade in composition continued, including reproductions of lessons in reading, geography, history and physiology—mistakes carefully corrected and explained. Special attention to be given to correct forms of speech, both spoken and written. The study and analysis of simple and complex sentences. The gender, person, number, and case of nouns and pronouns; the classes of nouns and pronouns; the comparison of adjectives and adverbs; the voice, and conjugation of verbs. Punctuation. One writing-book or its equivalent, completed each half year. Recitation of appropriate selections.

Arithmetic.—Written and mental. Compound numbers. Explain at the blackboard and by cubes how the common denominations of cubic measure are derived from those of long measure. Teach the pupils to perform with ease and accuracy operations in the simple rules and fractions. Practical examples involving the rules taught.

Algebra.—To page 46, section 80. (*Omitted in Female Grammar Schools*).

Geography.—Higher. Southern States. Central and North Central States. Europe. Draw, from memory, maps of Maryland and Europe. Frequent drills upon the outline maps.

Science.—Dulany's Physiology. One lesson a week. Teach the portions relating to hygiene and the nature of narcotics and alcoholic stimulants.

Drawing.—As prescribed for the grade.

Music.—As prescribed for the grade.

SEVENTH GRADE. SEVENTH YEAR.

Language.—Newell's fifth reader, and the history of Maryland. Spell the words in the speller from page 46 to page 61. Supplementary reading. Constitution and Bill of Rights of Maryland to be used as supplementary reading at least once in two weeks. Reading compositions and other written exercises. Work of the preceding grades in composition continued, including descriptions, and abstracts of lessons in reading, geography, history and physiology. Business letters. The

study and analysis of simple, complex and compound sentences. Properties of the parts of speech continued: voice, mode, tense, and the use of auxiliaries. Principles of syntax explained and illustrated. Paragraphing. Special attention to the correct forms of speech both spoken and written. Punctuation. One writing-book, or its equivalent, completed each half year. Making out bills. Recitation of appropriate selections. Declamation.

ARITHMETIC.—Written and mental. Percentage, profit and loss, interest, ratio and proportion, discount, and partnership. Practical business examples involving the rules which have been taught.

ALGEBRA.—To page 135. (*Omitted in Female Grammar Schools*).

GEOGRAPHY.—Rocky Mountain and Pacific States. Europe reviewed. Africa. Draw, from memory, maps of Maryland and Africa. Frequent drills upon the outline maps.

SCIENCE.—Dulany's Physiology. One lesson a week.

HISTORY.—History of the United States to chap. XXIX.

DRAWING.—As prescribed for the grade.

MUSIC.—As prescribed for the grade.

EIGHTH GRADE. EIGHTH YEAR.

LANGUAGE.—Newell's sixth reader and the history of Maryland. Supplementary reading. Constitution of the United States and the Declaration of Independence to be used as supplementary reading at least once in two weeks. Reading original compositions. Work of the seventh grade in composition continued. Outlines prepared for original composition. The study and analysis of sentences continued. Properties and inflections of words. Principles of syntax. Paragraphing. Special attention to the correct forms of speech, both spoken and written. Common roots, prefixes and suffixes, and compounds. Exercises in writing to be connected with book-keeping and composition. Recitation of appropriate selections. Declamation.

ARITHMETIC.—(*For Male Grammar Schools*). Written and mental. Finish the book, giving particular attention to the subjects taught in the preceding grades, and the following: commission and brokerage, involution, evolution, mensuration (in connection with this subject review square and cubic measure), single entry book-keeping.

ARITHMETIC.—(*For Female Grammar Schools*). Written and mental. Finish the book, giving particular attention to the subjects taught in the preceding grades and the following: commission and brokerage, involution, evolution, mensuration (review square and cubic measure carefully with this subject), single entry book-keeping.

ALGEBRA.—(*For Male Grammar Schools*). Though quadratic equations.

ALGEBRA.—(*For Female Grammar Schools*). Teach the four rules.

GEOMETRY.—To book V., omitting book III. (*Omitted in Female Grammar Schools*).

GEOGRAPHY.—Asia, Oceania and Maryland. Draw, from memory maps of Maryland and Asia. Frequent drills upon the outline maps.

SCIENCE.—First half year.—Physics to acoustics. Second half year. —Dulany's Martin's Human Body.

HISTORY.—History of United States to page 312.

DRAWING.—As prescribed for the grade.

MUSIC.—As prescribed for the grade.

GRADES IN GERMAN

FOR THE

ENGLISH-GERMAN SCHOOLS.

(March, 1886.—As Amended to April, 1891.)

N. B.—Classes in which Klemm's text books are still in use will follow the grading as prescribed for those books.

FIRST GRADE. FIRST YEAR.

READING AND SPELLING (oral).—Goebel's First Reader, pages 1 to 24 (No. 47) inclusive.

WRITING.—Copy script letters, words, and sentences from the blackboard.

LANGUAGE.—Refer to corresponding English grade.

MEMORIZING.—Appropriate selections.

SECOND GRADE. SECOND YEAR.

READING.—Goebel's First Reader, from page 24 to end. No. 14 (first division) and No. 3 (second division) optional.

SPELLING.—Goebel's First Reader, from page 27 to 48, inclusive.

LANGUAGE.—Refer to corresponding English grade.

MEMORIZING.—Appropriate selections.

THIRD GRADE. THIRD YEAR.

READING.—Goebel's Second Reader, from page 1 to 74 inclusive.

SPELLING.—Goebel's Second Reader, page 1 to 39 inclusive.

LANGUAGE.—Refer to corresponding English grade.

TRANSLATION.—Exercises on pages 92 to 96.

MEMORIZING.—Appropriate selections.

PENMANSHIP.—Taught in connection with written exercises.

FOURTH GRADE. FOURTH YEAR.

READING.—Goebel's Third Reader, from page 1 to 76, inclusive.

SPELLING.—Goebel's Third Reader, from page 1 to 47, inclusive.

TRANSLATION.—Exercises on pages 103 to 107.

GRAMMAR.—The five declensions of nouns; comparison of the descriptive adjective and its declensions (in the pos. degree) when preceded by the article or a demonstrative or possessive adjective.

LANGUAGE.—Refer to corresponding English grade.

FIFTH GRADE. FIFTH YEAR.

FIRST HALF YEAR.

READING.—Kreis IV., pages 1 to 60.

TRANSLATION.—Exercises under IV., pages 1 to 21.

GRAMMAR.—Declensions of adjective finished; declension of personal pronoun; conjugation of „sein," „haben," „werden," (indicative), and prepositions governing the dative.

LANGUAGE.—Refer to corresponding English grade.

PENMANSHIP.—Taught in connection with written exercise.

SECOND HALF YEAR.

READING.—Kreis IV., page 61 to end.

TRANSLATION.—Exercises under IV., pages 21 to 41.

GRAMMAR.—Review the preceding grades. Teach declension and use of relative and interrogative pronouns, entire conjugation of the auxiliaries and regular verbs, prepositions governing the accusative.

LANGUAGE.—Refer to corresponding English grade.

PENMANSHIP.—Taught in connection with written exercises.

SIXTH GRADE. SIXTH YEAR.

FIRST HALF YEAR.

READING.—Selections from Kreis V.

TRANSLATION.—From Kreis V., part second to page 123.

GRAMMAR.—Review. Teach separable, inseparable, reflective, impersonal, and irregular verbs. Prepositions with genitive and dative, or accusative. Simple sentences.

LANGUAGE.—Refer to corresponding English grade.

PENMANSHIP.—Teach from written exercises.

SECOND HALF YEAR.

READING.—Selections from Kreis V.

TRANSLATION.—From Kreis V., second part to page 134, inclusive.

GRAMMAR.—Review preceding grades. Easy compound and complex sentences.

LANGUAGE.—Refer to corresponding English grade.

PENMANSHIP.—To be taught daily in connection with all written exercises.

SEVENTH GRADE. SEVENTH YEAR.

FIRST HALF YEAR.

READING.—Selections from Kreis VI., pages 1 to 65.

TRANSLATION.—From second part of Kreis VI., pages 128 to 141 (omitting lessons 13, 18, 19).

GRAMMAR.—Review. Complex sentences continued; compound sentences; punctuation.

LANGUAGE.—Refer to corresponding English grade.

PENMANSHIP.—Taught in connection with all written exercises.

SECOND HALF YEAR.

READING.—Selections from Kreis VI., pages 65 to 127.

TRANSLATION.—From second part of Kreis VI., pages 141 to 155 (omitting lessons 28–33).

GRAMMAR.—Complex and compound sentences continued. Order of words in sentence. Punctuation.

LANGUAGE.—Refer to corresponding English grade.

PENMANSHIP.—Taught in connection with all written exercises.

EIGHTH GRADE. EIGHTH YEAR.

FIRST HALF YEAR.

TRANSLATION.—From second part of Kreis VII., lessons 1, 2, 3, 5, 8, 11, 12, 14, 15, 17, 18, 23.

GRAMMAR.—Analysis—substantive, adjective and adverbial clauses Review.

RECITATION.—Appropriate selections from Kreis VII. (Lyric and Epic poetry, pages 125 to 154). N. B.—A short sketch of the author's life should be given by the teacher.

LANGUAGE.—Refer to corresponding English grade.

PENMANSHIP.—Taught in connection with all written exercises.

SECOND HALF YEAR.

TRANSLATION.—Kreis VII., from lessons 25, 29, 31, 37, 39, 66, 69, 72, 78, 81, 82, 84, 87.

GRAMMAR.—General review. Rendering of the English participle, modal auxiliaries and their English equivalents, passive voice, etc., e. g.—"No stopping here!" "It is to be hoped he will pass his examination." "They spoke of his owing them a large sum of money." "I was followed." "He is to be induced to sign the note." "What are you going to do with it?" etc., (c. f. pp. 231 to 233 of reader.)

READING.—Selections from Kreis VII.

RECITATION.—(German drama, &c.) Models on pp. 148 to 154, Kreis VII.

LANGUAGE.—Refer to corresponding English grade.

PENMANSHIP.—Taught in connection with all written exercises.

N. B.—Spelling is to be taught in each of the grades in connection with all written exercises.

LIST OF BOOKS

— USED IN THE —

PUBLIC SCHOOLS.

FOR BALTIMORE CITY COLLEGE.

Allen & Greenough—Ovid (with vocab).
Allen (F. D.)—Euripides' Medea.
Allen (W. F.)—New Latin composition.
Alexander—Moral science.
Alden—Science of government.
Boise—Homer's Iliad (first six books).
Bolmar (A.)—French verbs.
Brandt—German grammar.
Barker—College chemistry.
Brooks—Higher arithmetic.
Bowser—Analytical geometry.
Chase (R. H.)—Maclean's Horace.
Chase & Stuart—Virgils' Æneid; Horace; Cæsar's Commentaries; Sallust, (with lexicon); Cicero's orations (with lexicon); and Livy.
Collier (W. F.)—History of the British Empire.
Crittenden—Blanks for new book-keeping.
DeFivas—Elementary French reader.
Dana—Text book of geology (revised).
Dulany—Martin's elementary human body, and Bill of Rights and Constitution of Maryland.

Eliot & Storer—Qualitative chemical analysis.
Ely—Political Economy.
Fleming & Tibbins—French dictionary (abridged).
Flagg—Demosthenes' Hellenic Orations.
Goethe—Egmont.
Goodwin (W. W.)—Greek grammar and Greek reader.
Gildersleeve—Latin grammar ; Latin reader ; New Latin primer, and Latin exercise book.
Gage—Elements of Physics.
Harper—Herodotus (cloth 2 vols).
Harrington (C. S.)—Plautus.
Haven (J.)—Mental Philosophy.
Heath—New German dictionary.
Hepburn—Manual of rhetoric.
Joynes—Schiller's *Der Geisterseher*.
Joynes-Otto—Introductory German lessons.
Jones—Greek prose composition.
Johnston—United States History.
Kendrick—Xenophon's Anabasis, with vocab.
Kendrick (J. B.)—Greek at sight.
Keetel—French series.
Liddell & Scott—Greek-English lexicon (abridged).
Lessing—Minna von Barnhelm (students' classic German plays).
Lounsbury—English Language (hand books for students).
Lockyer—Astronomy.
Loomis (E)—Calculus.
Lippincott—Gazetteer of the world, with supplement (sheep).
Myers & Allen—Ancient History, part I.
Noel & Chapsal—French literature.
Norton—Natural philosophy.
Newell—Revised sixth reader.
Ollendorff—French method (Value).
Olney—General geometry and calculus.

Packard—New manual of book-keeping and correspondence.
Prang—System of Drawing.
Quackenbos—Advanced composition and rhetoric; History of U. S. for schools, and first lessons in composition.
Remsen—Organic chemistry and briefer course in chemistry (Am. Sci. Series).
Ray—New higher algebra.
Shepherd (H. E.)—History of the English language.
Schiller—Neffe als Onkel (revised) Allyn & Bacon.
Smith—Smaller history of Rome and history of Greece (students' series).
Spencerian—Copy books.
Spiers & Surenne—French dictionary (12 mo.)
Shaw (T. B.)—New history of English Literature.
Sargent—Standard Speaker.
Tyler (W. S.)—Tacitus' histories.
Tomlinson—Latin for sight reading.
Upham—Mental Philosophy (abridged).
Van Daell—Heine's *Die Harzreise*.
Voltaire—History of Charles XII (18 mo.)
White (J. W.)—First lessons in Greek.
White (J. T.)—Latin-English and English-Latin lexicon.
Whitney (W. D.)—Brief German grammar; William Tell and essentials of English grammar.
Westlake—How to write letters.
Wentworth (G. A.)—Plane and solid geometry (revised); plane and spherical trigonometry and surveying with tables, and surveying and navigation with tables.
Webster—Dictionaries, International and High School.
Wilson (W.)—The State.
Zacho—New American speaker.

FOR FEMALE HIGH SCHOOLS.

Anderson (J. J.)—Manual of history; school history of England; school history of France, and popular school history of U. S.
Adler—Progressive German reader.
Bain—Composition and rhetoric.
Boyd—Annotated poets—Milton, Thomson.
Brooks (E.)—Geometry and trigonometry.
Caswell & Ryan—Book II. (Barcarolle).
Crittenden—Blanks for new book-keeping.
Dulany—Martin's elementary human body.
Fasquelle—Colloquial French reader; larger French course; introductory French course.
Harvey—English grammar.
Joynes-Otto—Introductory German lessons.
Keetel—French series.
Lockyer—Astronomy.
Lippincott—Gazetteer of the world, with supplement (sheep).
Murdoch—Analytic elocution.
Mason—Fourth music reader—(Nat. music course).
Norton—(S. A.)—Elements of physics, and Natural philosophy.
Newell (M. A.)—Revised fifth and sixth readers.
Pinney—Progressive French reader.
Packard—New manual of book-keeping and correspondence.
Prang—System of Drawing.
Quackenbos—Higher arithmetic; practical arithmetic, and advanced composition and rhetoric.
Ray—New elementary algebra.
Spiers & Surenne—French dictionary (12 mo.)
Shaw (T. B.)—Outlines of English literature, and new history of English literature.
Upham—Mental philosophy (abridged).
Whitney (W. D.)—Brief German grammar.
Westlake—Common school literature.
Webb—Model etymology (new edition).
Webster—Dictionaries—International and High School.

FOR BALTIMORE MANUAL TRAINING SCHOOL.

Anderson—New manual of general history.
Peck—Ganot's popular physics (revised).
Other books as required.

FOR THE GRAMMAR GRADES.

Appleton—Standard elementary geography; standard higher geography (Md. ed.), and numbers applied.
Bibles (12 mo. sheep), and Douay.
Bert—First steps in scientific knowledge, parts IV and V.
*Brooks—New mental arithmetic.
Creery (W. R.)—Catechism of U. S. history.
Davies (C.)—Geometry and trigonometry.
Dulany—School history of Maryland; Bill of Rights and Constitution of Maryland; Child's health primer (for fourth grade as supplementary reader; Standard physiology; Martin's elementary human body.
Harvey—Revised English grammar (for eighth grade); revised elementary grammar; language lessons.
Johnston—Outline maps, E. & W. H.; U. S., Mex. and Canada; Europe; N. & S. A.; Asia; Africa; Mercator's projection.
*Knox—Heath—Ely, lessons in English, part I.
Lippincott—Gazetteer of the world, with supplement (sheep).
Mason—Second and third music readers and music chart—Nat. music course.
Meservey—Single entry book-keeping and blanks.
Mayhew—Eclectic book-keeping.
Newell (M. A.)—Revised third, fourth, fifth and sixth readers.
Newell & Creery—Grammar school speller.
New Graded—Fourth, fifth, and Cathcart's literary readers—American Educational.

*For teachers.

*Powell—How to talk.
P. D. & S.—System of penmanship.
Prang—System of drawing.
Peabody—Fourth, fifth and sixth readers.
Quackenbos—History of U. S. for schools, and first lessons in composition.
Ray—New elementary algebra.
*Southworth & Goddard—Elements of composition and grammar.
Swinton—New language lessons ; language primer ; third, fourth and fifth readers.
*Smart—Free Gymnastics (for female grades).
Sunshine—Song book.
Testaments (32 mo. cloth), and Douay.
"The Gem" song book.
Webster—Dictionaries—International and common school.

FOR THE PRIMARY GRADES.

Appleton—Standard elementary geography ; first lessons in arithmetic and reading charts.
Butler—Reading charts.
Bibles—(12 mo. sheep), and Douay.
*Brooks—New mental arithmetic.
Fisher—A B C charts and cards, and table cards.
Johnston—Outline maps, E. & W. H.; U. S., Mex. and Canada.
*Knox—Heath—Ely, lessons in English, part I.
Mason—First music reader and music charts—Nat. music course.
Monroe (L. B.)—Reading charts.
McGuffey—Reading charts.
Newell (M. A.)—Revised first, second and third readers.
Newell & Creery—Primary school speller.
New Graded—Readers first, second and third.—Am. educational.

*For teachers.

P. D. & S.—System of penmanship.
Prang—System of drawing.
Peabody—Primer, infant, first, second and third readers.
Swinton—Primer, first, second and third readers.
*Smart—Free gymnastics.
Sunshine—Song book.
Testaments (32 mo. cloth), and Douay.
"The Gem" song book.
†Wentworth & Reed—First steps in numbers, teachers' edition.
Webster—Dictionaries—National pictorial and primary.

FOR THE ENGLISH-GERMAN SCHOOLS.

Goebel (L)—Primer, II and III text books.
Klemm—German text books (Kreis)—IV, V, VI, VII.
Payson—German copy books.

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*For teachers.
†For teachers of the first grade.

List of Stationery, &c.

FOR ALL THE SCHOOLS.

Composition (or plain copy) books, 40 pages.

"D" slate, round corners, 6x9, 7x11, 8x12.

Ink wells, with or without covers.

Lead pencils—Eagle, Faber, Dixon H. S., and Eagle Compass.

Rubbers—Eagle Nos. 1096 and 1076.

Blackboard rubbers—Coughlin No. 4, and National No. 2.

Whiting Mills paper, (cap 12 lbs.; letter, 10 lbs.; note, 6 lbs.).

Manilla paper for drawing (40 lbs.).

Envelopes—Buff and white, small and large sizes.

Slate Pencils—German, 5½ in.; soapstone, 6 in.; and Eagle (in wood .

Steel pens—Gillot's genuine, Nos. 404 and 303; Esterbrook's school, No. 333; Spencerian, Nos. 1, 5 and 15.

Pen holders—Eagle Nos. 2411 and 2712; Faber, Nos. 2440 and 2560.

Chalk Crayons—Parmenter's, N. Y. Crayon Co's. and colored.

Mucilage—Stickwell's.

Ink—Maynard & Noyes's, American Standard Ink Co's fluid, Stafford's universal black and commercial, Duval's black and violet.

Gongs—B. & H.—Principals' No. 2400; assistants', No. 2100.

Teachers' inkstands, with racks.

Roll books.

Knives for sharpening pencils—Eagle No. 2300.

Ink vents.

Recess bells.

EXTRACTS FROM STATUTES

RELATING TO THE

Public Schools of Baltimore City.

(Public Local Laws, 1888, Article IV.)

776. The Mayor and City Council of Baltimore shall have full power and authority to established in said city a system of free public schools, which shall include a school or schools for manual or industrial training, under such ordinances, rules and regulations as they may deem fit and proper to enact and prescribe; they may delegate supervisory powers and control to a Board of Public School Commissioners; may prescribe rules for building school houses, and locating, establishing and closing schools, and may in general do every act that may be necessary or proper in the premises.

777. The Board of Commissioners of Public Schools of Baltimore City shall have power to examine, appoint and remove teachers, prescribe the qualifications, fix the salaries, subject to approval of the Mayor and City Council, and select text books for the schools of said city; provided such text books shall contain nothing of a sectarian or partisan character. They shall annually make a report to the State Board of Education of the condition of the schools under their charge, to include a statement of expenditures, the number of children taught, and such other statistical imformation as may be necessary to exhibit the operation of the schools. * * * * * * * *

778. The Mayor and City Council of Baltimore shall have power and authority to make all ordinances for the protection of the school houses and property, and to punish any person who may disturb the sessions of said public schools.

779. They are hereby authorized and empowered to levy and collect upon the assessable property in said city, as other taxes are levied and collected, such amount of taxes as may be necessary to defray all the expenses incurred for educational purposes by them.

780. The Treasurer, on the warrant of the Comptroller, shall pay to the Mayor and City Council the proportion of the free school fund to which said city is entitled.

INTESTATES' ESTATES.

781. The Orphans' Court of said city shall order and direct the fund arising from intestates' estates that may be administered upon in said court, and which remain undistributed for want of legal representatives of the intestates to claim the same, to be paid to the Board of Commissioners of Public Schools.

782. The court shall not make such order until they shall be satisfied that the intestate left no legal representative living at the time of his or her death, and they shall cause the administrator of such estates to give notice, by advertisement to be inserted for such periods of time and in newspapers published in such places as they may deem necessary, that upon default of the appearance of any legal representative of the intestate by a certain day to be fixed by the court, and named in said advertisement, the estate of said intestate will be paid to the Commissioners of Public Schools.

783. They shall, upon passing an order directing such payment, require from the treasurer of the Board of Commissioners of Public Schools, or any other officer who may be appointed by the said Board of Commissioners, or the Mayor and City Council of said city, to receive such funds, a receipt and release to the administrator for the same.

784. The release shall contain an obligation that the said funds shall be applied by the Board of Commissioners of Public Schools, to the use and support of the public schools of the city of Baltimore, and shall be recorded and preserved in said court as other records are.

(Public General Laws, 1888, Article XLIII).

31. No teacher in any school shall receive into such school any person as a scholar, until such person shall produce the certificate of some regular practicing physician, that such an applicant for admission into the school has been duly vaccinated. Any teacher so offending shall on conviction thereof, forfeit and pay a fine of ten dollars for each offence, and no public school trustee or commissioner shall grant a permit to any child to enter any public school without such certificate, under the same penalty.

(Article LXXVII).

40. The nature of alcoholic drinks and narcotics, with special instruction as to their effects upon the human system, in connection with the several divisions of the subject of physiology and hygiene, shall be included in the branches of study taught in the common schools, and shall be taught to and studied by all pupils whose capacity will admit of it in all departments of the public schools of the State, and in all educational institutions supported wholly or in part by money from the State. * * * The text books must be published, printed and sold in the State of Maryland.

EXTRACTS FROM ORDINANCES

RELATING TO THE

Public Schools of Baltimore City.

COMMISSIONERS OF PUBLIC SCHOOLS.

1. There shall be appointed by the two Branches of the City Council, in convention assembled, at the times and in the manner prescribed in Sections 2 and 3 hereof, twenty persons, to be called Commissioners of Public Schools, one commissioner to be selected from each of the several wards of the city; and said commissioners shall continue in office for the terms as prescribed in Sections 2 and 3 hereof; provided, that if any commissioner shall remove from the ward from which he was appointed before the expiration of his term of office, then his place in the board shall be declared vacant, and the board may declare vacant the place of any commissioner who shall absent himself from three successive stated meetings of the board, without showing satisfactory cause for his non-attendance, after having been duly notified of the same.

(By ordinance approved May 2, 1888, it was enacted and ordained, "That from and after the passage of this ordinance the Mayor of the City of Baltimore shall be always *ex-officio* a member of the Board of Commissioners of Public Schools of said city.")

2. The Commissioners of Public Schools who shall be appointed in the month of February, 1877, shall be appointed for one, two, three and four years, which several terms of service shall be determined by lot at the first meeting and immediately after their organization by the election of a President and Secretary, as provided by Section 5 hereof; the members severally appointed for the First, Second, Third and Fourth Wards shall draw lots for their terms of service, which terms shall be one, two, three and four years respectively, as fixed by the lot then drawn; and the several members for each succeeding four wards, the wards being taken in numerical order, shall determine their terms of service in the same manner as aforesaid.

3. In the month of February, in each succeeding year, the First and Second Branches of the City Council, in convention assembled, shall elect school commissioners in place of those only whose term of office shall at that time expire, and the commissioners elected, as prescribed by this section, shall continue in office for four years.

4. The First and Second Branches of the City Council, in convention assembled, shall have power to expel a member of the Board of Commissioners of Public Schools, either for persistent neglect of duty or for conduct unbecoming a School Commissioner. Should any vacancy occur in the board by removal, resignation, death or otherwise, the unexpired term shall be filled in the same manner as provided by the preceding sections hereof.

5. Said commissioners shall meet within ten days after their election, and at their first meeting they shall proceed to the election of president from their own board, to be chosen by a majority of the whole body; also a person to act as secretary, who shall serve for one year, unless sooner removed by the board, and

who shall have charge of the rooms, books, papers and documents of the board, and shall perform such clerical duties as may be required of him by its members or committees; the board shall assign the duties to be performed by him, and shall fix his salary, subject to the approval of the two Branches of the City Council. If a vacancy shall occur in the office of Secretary from any cause whatever, it shall be the duty of the board to elect a person to fill said vacancy as soon as it can conveniently be done; and in all cases a majority of the commissioners shall constitute a quorum for the transaction of business.

6. Whenever a vacancy or vacancies shall occur in the Board of Commissioners of Public Schools during the session of the City Council, it shall be the duty of the president of the board to inform the Mayor of such vacancy or vacancies, who shall communicate the same to the First and Second Branches of the City Council, who shall proceed in convention, according to their respective rules, to fill said vacancy or vacancies. If a vacancy or vacancies shall occur during the recess of the City Council, by death, resignation or otherwise, it shall be the duty of the board to fill the same as soon as may be convenient, the person or persons so elected to serve until the next session of the City Council.

7. There shall be appointed by the board a suitable person to be the Superintendent of Public Instruction for the City of Baltimore, who shall be a resident of the city of Baltimore, of literary and scientific acquirements and of skill and experience in the art of teaching, and who shall serve for the term of four years, unless sooner removed by the board. It shall be the duty of the superintendent to devote his time and attention entirely to the general supervision of the public schools of the city, subject to such rules and regulations as the Board of School Commissioners may establish. It shall especially be the duty of the

superintendent to visit every school under the charge of the Board of Commissioners of Public Schools as often as once in each quarterly session, or four times during the academic year, to examine into its respective studies and to inquire into all matters relating to the government of the schools, such as its curriculum of studies, discipline and course of instruction pursued therein, the text-books that are used, the condition of the school houses, and to make a monthly report of the matters thus specified to the Board of Commissioners of Public Schools.

8. There shall be appointed by the said board a suitable person to be the Assistant Superintendent of Public Schools, who shall be a resident of the city of Baltimore, of skill and experience in the art of teaching, and whose term of office shall be concurrent with that of the superintendent.

9. It shall be the duty of such assistant superintendent of the public schools to aid the superintendent in the supervision of the public schools of the city ; he shall visit the primary schools as often as his duties will permit, and make a report of such visits to the superintendent ; he shall assist in the examination of the quarterly reports of teachers, in the preparation of the questions for the semi-annual examination of the classes of the primary and grammar schools, and be subject to such rules and regulations as the Board of Commissioners of Public Schools may establish.

10. In order to advance the interests of the schools committed to his charge, the superintendent, in conjunction with a committee of three members of the school board, shall, in the forms prescribed by the board, examine into and ascertain the qualifications of applicants for the situation of teachers, and re-examine, if necessary, any of the teachers employed in the schools under the charge of the board ; and in order further to promote the

cause of sound education, and to elevate the character and qualifications of the teachers, the superintendent shall, by all the means in his power, counsel and advise with the teachers in relation to their duties, the proper classification of studies, the best methods of imparting instruction, and, in general, as to the proper discipline and management of the schools under their charge.

11. The salary of the superintendent shall be fixed by the Board of Commissioners of Public Schools, subject to the approval of the two Branches of the City Council; and he shall make annually a report in writing, to the Mayor and City Council, of all matters of interest or importance in connection with the schools; and shall also, when requested, furnish to the Board of Commissioners of Public Schools of the city a written statement, showing the number of schools in the city, the number of pupils under instruction and the teachers employed therein, with such additional information in respect to the matters above specified as may be deemed advisable and necessary.

12. The salary of the assistant superintendent shall be fixed by the Board of Commissioners of Public Schools, subject to the approval of the Mayor and City Council.

13. The Register is authorized to receive, through the secretary of the board, all moneys from the teachers, and all other funds due the school board, and pay out of the funds standing in the treasury of the city to the credit of the public schools any orders that are provided for in the levy for school purposes, after having been examined by the committee on accounts and passed by the board, signed by the president and countersigned by the secretary of the Board of Commissioner of Public Schools.

14. The said Board of Commissioners of Public Schools shal. have charge of the public schools in operation in the city of Baltimore, and of all such as may be in operation during their continuance in office; and it shall be their duty to employ teachers and determine their salaries; to prescribe the courses of study and the books to be used; to make all such by-laws for their own government and all such rules and regulations for the management of the schools as they may deem expedient, and to modify and repeal the same at their pleasure; provided that such by-laws, rules and regulations so made or modified be not inconsistent with the laws of the State or the ordinances of the city. And it shall further be the duty of said board, at such time as other city officers are required to report, to report to the Mayor and City Council a statement of their transactions, with an account of their receipts and expenditures during the year last passed, and their resources for the year then commenced.

15. The Commissioners of Public Schools shall have charge of all the buildings used for school purposes, and they are hereby authorized to make all necessary repairs in the school houses of the city, provided the same shall not exceed the sum of three hundred dollars.

16. The said board is authorized and directed to rent out, except for political purposes, for such compensation as to them may seem just and reasonable, the main halls in the Eastern and Western Female High School buildings, for public purposes, at such times and under such regulations as to them may appear right and proper; provided, the same shall not be rented so as to interfere with or interrupt the regular excercises of the schools.

17. The revenue derived therefrom, as provided in the preceding section, shall be accounted for by the said board and paid over by them to the Register, who is directed to place the same to the credit of the public school fund.

18. The said board shall not employ in building, repairing or improving, or in furnishing stationery or any other kind of supplies, any member of said board; nor shall any member of said board be interested, directly or indirectly, in any contract whatever for the use of the public schools.

19. The salaries of the superintendent, assistant superintendent and secretary of the board, and of the teachers and all other persons permanently employed by the Commissioners of Public Schools, shall be paid monthly, on the last day of each month, by the City Register; and he is hereby authorized, in case of any deficiency in the collection of the school fund, or in anticipation of the levy for the same, to advance, from time to time, to said fund, such sums as shall be required for the payment of said salaries at the time when they shall be due.

20. There shall be no charge for tuition or for the use of books and stationery in any of the public schools, but it shall be the duty of the commissioners to furnish, free of all cost, to the pupils and their parents, all the necessary tuition and the use of books and stationery for the several schools, and in general whatever fuel or other supplies the schools may require—the same to be paid for from the public school fund. (Ordinance as approved October 6, 1884.)

21. The public schools of Baltimore are designed exclusively for the education of those pupils whose parents, or in the case of orphans, whose guardians are citizens of Baltimore, or residents of Baltimore with a *bona fide* intention to become citizens.

22. The Board of Commissioners of Public Schools are hereby directed, before admitting the children of non-resident parents or guardians into the public schools of the city of Baltimore, to charge such parents or guardians the following amounts, viz.:

For admission to the Baltimore City College, per capita, twelve dollars and fifty cents per quarter ; for admission to the Female High Schools, per capita, eight dollars per quarter ; for admission to Grammar Schools, per capita, four dollars per quarter ; for admission to Primary Schools, per capita, three dollars per quarter ; the said amount to be paid invariably in advance, and to be paid by the School Commissioners to the Register of the City for account of the school fund ; provided, however, that nothing herein contained shall be so construed as to prevent the free admission into said schools of the children of registered voters of the city who are employed by the city, in or about Druid Hill Park or the water works there situate, and who reside beyond the city limits. (Ordinance as approved April 20, 1887)

23. The Commissioners of Public Schools shall not admit any book or books into use in the public schools, or discontinue the use of the same after having been admitted, unless said admission or discontinuance be approved by a vote of a majorfty of the entire board in session assembled at a regular meeting of said board.

24. The said Commissioners of Public Schools are hereby authorized to receive all devises, bequests and donations which may be made for the benefit of said public schools, and all devises, bequests and donations received by said commissioners, by virtue either of this section or of any act or acts of the General Assembly of Maryland, shall be paid over by them to the Register of the City, who shall place the same to the credit of the school fund ; and if any condition or conditions be prescribed in any such devise, bequest or donation, the same shall be applied under the direction of said commissioners, with the sanction of the Mayor and City Council, agreeably to the intention of the testator or donor, and if no condition be prescribed in any such devise, bequest or donation, it shall not be lawful for said com-

missioners to draw all or any part of the amount thereof out of the city treasury during the year in which it was received, unless the collections from the resources and levy of the school fund for said year should fall short of the estimated expenditures forming the basis of said levy, or unless it shall have been already allowed in the estimated resources of the fund for said year; otherwise the same shall be included in the estimate of the ensuing year. (See ordinance approved September 22, 1883.)

25. The Register of the City shall demand and receive, from time to time, from the Treasurer of Maryland, from the Orphans' Court of Baltimore City, from the Commissioners of Finanace, and from the Collector of the City, all such sum or sums of money as may be in their hands for the support and benefit of the public schools of the city, and he shall place the same to the credit of the public school fund.

26. All assessments for paving or repaving in front of any of the public schools or lots of ground attached thereto, and also all assessments of benefits for opening or widening any street or streets, so far as the public schools may be interested, shall be paid by the Register out of any unappropriated money in the treasury.

27. It shall not be lawful for said Board of Commissioners of Public Schools to exceed in their expenditures the amount annually appropriated therefor by the City Council; and it shall be their duty to apply the same exclusively to the several purposes, and as far as practicable, in the proportion specified in the statement of estimated expenses, on which said City Council shall have based the school fund levy for the year.

28. The Male Public High School of Baltimore shall be styled the Baltimore City College; and whenever any of the pupils of

said school shall have satisfactorily completed the prescribed term and course of instruction, the Commissioners of Public Schools shall have power to confer on them testimonials in form as follows, viz : This certificate is given to——— ———, a pupil of the Baltimore City College, in testimony that he has pursued and satisfactorily completed the studies of the———course of ——years; and said testimonials shall be signed by the president of the board, by the Mayor of the City, with the seal of the city attached, by the committee on the Baltimore City College, and by the principal, vice-principal and professors of said college.

29. Said Commissioners of Public Schools are authorized to cause said testimonials to be engraved on copper, or lithographed, with a suitable vignette, the expenses necessarily connected with the preparation of said testimonials to be paid from the school fund; provided that no commissioner or teacher shall ever charge or receive any fee or compensation for so signing said testimonials.

30. Said Commissioners of Public Schools shall have power to confer testimonials on pupils of the Eastern and Western Female High Schools, in conformity with the requisitions and provisions of the preceding two sections.

Said Commissioners of Public Schools shall have power to confer upon pupils of the colored schools, who shall satisfactorily complete the term and course of instruction prescribed for pupils of the Colored High School, testimonials as conferred upon pupils of Baltimore City College and the Female High Schools. (Approved June 8, 1889.)

31. Whenever any pupil shall leave any of the high schools without having completed the prescribed term and course of in-

struction, then, and in such cases, said commissioners shall have power to confer such testimonials on said pupils as said commissioners may deem to be proper and appropriate to the occasion.

SCHOOLS FOR COLORED CHILDREN.

38. It is hereby made the duty of the Board of Commissioners of Public Schools of the City of Baltimore to organize separate schools for colored children, and to establish as many schools for the education of colored children of Baltimore city as may, in the judgment of said board, be necessary.

39. The schools to be established in accordance with the provisions of this ordinance shall be subject to such rules and regulations as may be prescribed by the said board in its discretion.

LIBRARIES.

41. There shall be estabiiseed at the Baltimore City College, and at each of the two Female High Schools, a library for their use, without charge, under such regulations as may be adopted by the Board of Commissioners of Public Schools.

42. The selection of the books, which shall be only of an instructive and moral character, shall be made by the said commissioners, or a committee appointed by them for the purpose, and no book deemed by them to be injurious to the morals of the pupils, or of a sectarian character, whether obtained by purchase or donation, shall be admitted in said libraries; and all books purchased under any future ordinance or resolution of the City Council or otherwise, for this purpose, shall be subject to the restrictions herein contained.

PEABODY PRIZES.

43. The Commissioners of Public Schools of the City of Baltimore are hereby authorized to accept and receive the premiums given by the Trustees of the Peabody Institute to the Baltimore City College and the Female High Schools, as specified in Mr. Peabody's letter to his trustees, and to have the same distributed from time to time in such a manner as they shall deem most conducive to the benefit of the schools and the objects of the donor.

MANUAL TRAINING SCHOOLS.

An Ordinance Approved October 20, 1883, enacts as follows:

That the Board of Commissioners of Public Schools of Baltimore City be, and they are hereby, authorized and directed to establish in the city of Baltimore, in some convenient locality, as near the centre of the city as possible, a school for manual training, under such name or title as said board shall select; that said school shall be open to the children of the citizens and *bona fide* residents of the city of Baltimore, and that the admission to said school shall be regulated by the law now existing for the admission of pupils to the public schools of the city of Baltimore, except in so far as changed by this ordinance; that the age and qualifications for admission to said school shall be fixed and prescribed by the said school board; provided, that the fee for the use of tools and materials for pupils who are the children of residents or citizens of Baltimore shall not exceed one dollar each per scholastic quarter; that pupils from other places may be admitted to said school upon such terms and conditions and upon payment of such fees as said board shall prescribe.

An ordinance nearly identical with the above, providing for a Manual Training School for Colored Children, was approved February 16, 1892.

INTESTATES' ESTATES.

(Ordinance Approved September 22, 1883.)

Section 1. Be it enacted and ordained by the Mayor and City Council of Baltimore, That all funds which, from and after the approval or final passage of this ordinance, shall be paid to or received by the City Register, or in any other way, or through any other person or persons, passed over and transferred to the Mayor and City Council of Baltimore, pursuant to the provisions of Sections 6, 7, 8 and 9 of Article XLIII of the Baltimore City Code, title "Schools," sub-title "Statutes," sub-division "Orphans' Court," and of Sections 25 of said article, sub-title "Ordinance," sub-division "Commissioners of Public Schools," shall be held subject to the order of the Board of Commissioners of Public Schools of the City of Baltimore, in like manner as the funds derived from taxation for said purposes are held, and such funds as may be thus received are hereby declared to be a separate and distinct revenue, to be applied to the use and support of the public schools, in addition to the annual tax levied and the annual appropriation made for that purpose.

Sec. 2. And be it further enacted and ordained, That it shall be the duty of the City Register to notify and inform the Board of Commissioners of Public Schools, by a communication in writing, whenever any funds arising from the aforesaid source shall be hereafter received by him, and the amount of the same.

Sec. 3. And be it further enacted and ordained, That whenever said Commissioners of Public Schools shall intend to apply any portion or all of the aforesaid funds hereafter received from intestates' estates, the warrant or order drawn for said funds or any portion thereof, shall show upon its face that it is drawn upon said funds, and it shall be the duty of the City Comptroller and the City Register to keep a separate account of all receipts and disbursements for said special and specific fund.

AN ORDINANCE TO PREVENT THE SPREAD OF DISEASE.

Approved February 21, 1880, enacts as follows:

That it shall be the duty of all physicians who may be in attendance in any family whose child or children may be attending any of the public schools of this city, which family may have a case or cases of scarlet fever, diphtheria, measles, small-pox, chicken-pox, whooping cough, or any other contagious disease, to give a certificate of the same to the parents or parent of the child or children so diseased as soon as the disease is developed; and it shall be the duty of the parents or parent, as soon as the physician certifies that contagious disease exists in his, her or their house, to notify the principal of the school attended by his, her or their children within twenty-four hours. That if there be no physician attending in cases of disease mentioned in this ordinance, it shall be the duty of the parents or parent to report the disease to the principal of the school attended by his, her or their child or children within twenty-four hours from the time the disease is known to be contagious. That if any parent or physician shall notify any public school teacher of the city that any contagious disease exists in any family whose child or children are attending any of the public schools of this city, then it shall be the duty of the principal of the school to exclude the child or children of said family from the school until the attending physician certifies that all danger from contagion has passed. That if any teacher or teachers reside, board or lodge in any house where a child or children in such house is suffering with any contagious disease, of which fact the said teacher has been cognizant, then it shall be the duty of said teacher to certify to the same to a member of the school board, and such teacher shall not perform his or her duties in any public school in this city until a physician attending such case or cases of contagious disease shall certify

that all danger from contagion has passed. (Failure to comply with the provisions of this ordinance will subject the offender to a fine of ten dollars).

ORDINANCE No. 119, OF MAY 25, 1880, ENACTS AS FOLLOWS:

When scarlet fever, diphtheria, measles, small-pox, chicken-pox, whooping cough, or any other contagious disease, has existed in any family whose child or children have been attending any of the public schools of the city, which child or children had not been attended by any practicing physician, then it shall be the duty of any vaccine physician who may be applied to for a certificate that all danger from contagion has passed, to visit the premises, if in his district, where said child or children had been sick, and if there should exist no danger from contagion he should give the certificate applied for free of charge.

(See also the Statute relating to vaccination).

AN ORDINANCE TO AUTHORIZE THE BOARD OF SCHOOL COMMISSIONERS TO APPOINT A SUPERINTENDENT OF SUPPLIES.

APPROVED APRIL 8, 1886, ENACTS:

That the Board of School Commissioners be, and they are hereby, authorized and directed to appoint, annually at the same time that the secretary of the said board is elected, a suitable person, a citizen of Baltimore, who shall be known as the Superintendent of Supplies. That it shall be his duty, under the instructions from the Board of School Commissioners, to supervise, take care of, and have general control of all furniture, stoves, furnaces, fuel, repairs and other incidental supplies which are now in possession of the board, or which may be purchased by order of the board, be responsible to the board for their con-

dition, and report from time to time as the board may direct, and perform such other duties with reference thereto as may be required by the board.

PURCHASE OF SUPPLIES.

AN ORDINANCE, APPROVED APRIL 1, 1891, REPEALS THE ORDINANCE OF APRIL 27, 1886, AND ENACTS AS FOLLOWS:

That the Board of Commissioners of Public Schools shall advertise for proposals in the purchase of all supplies for said schools to the amount of fifty dollars and over, and that said proposals shall be opened in the presence of the City Comptroller, the City Register and a Committee of said Board, who together shall constitute a board to award all contracts except those for musical instruments, which shall be awarded as follows: The said Board of Commissioners of Public Schools, or its committee on music, shall select not less than three responsible and reputable manufacturers of the class of instruments required, and shall designate by proper specifications the character and style of the instrument to be furnished, and shall receive bids from those selected, which shall be opened before the above board of award, and the said board of award shall award the contract, in its discretion, to the lowest, or next to the lowest bidder, for such a period as it may think proper, not to exceed five years. That in awarding all other contracts the committee of the Board of Commissioners of Public Schools shall have one vote, the Comptroller one vote, and the Register one vote; but in awarding contracts for musical instruments each member of the committee on music shall have one vote, the Comptroller one vote, and the Register one vote.

AN ORDINANCE TO AUTHORIZE THE BOARD OF SCHOOL COMMISSIONERS TO EMPLOY COLORED TEACHERS FOR SCHOOLS SET APART FOR COLORED YOUTHS.

(Approved May 3, 1888).

Section 1. Be it enacted and ordained by the Mayor and City Council of Baltimore, That the Board of School Commissioners be, and they are hereby, authorized and directed in all colored schools to be hereafter established, and in all colored schools in any territory hereafter annexed to Baltimore city, to appoint teachers of the colored race as instructors in such public schools set apart for colored youths; provided that they be shown, by examination or such other test as is applied to white teachers, to possess the necessary moral and intellectual qualifications therefor.

Sec. 2. And be it further enacted and ordained, That it shall be the duty of the Superintendent of Public Schools to hold a public examination on or before September 1st, 1888, to which all colored applicants for teachers' positions may and shall be admitted, and to hold such other examinations as may from time to time be hereafter required.

Sec. 3. And be it further enacted and ordained, That all such applicants who pass a satisfactory examination shall be certified by the Superintendent of Public Schools to the Board of School Commissioners, and that said Board of School Commissioners shall appoint the persons so certified to positions as teachers in all colored schools hereafter established and set apart for the colored race, and also in all such schools in any territory hereafter annexed to Baltimore City.

Sec. 4. And be it further enacted and ordained, That the schools hereafter established for colored children shall be sup-

plied with the colored applicants so certified to the extent of the number applying, before teachers of any other race shall be employed in such schools ; provided, however, that in no case shall teachers of the white race be employed in any school in which colored teachers are employed.

Sec. 5. And be it further enacted and ordained, That the salaries paid to such colored teachers shall be equal to those now paid to white teachers for similar service in the colored schools.

Sec. 6. This ordinance to take effect at the beginning of the regular school session in September, 1888.

Sec. 7. And be it further enacted and ordained, That all ordinances or resolutions, or parts of ordinances or resolutions, inconsistent with this ordinance, be, and the same are hereby, repealed.

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